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WALLACES' FARMER AND Iowa Homestead

Good Farming *Clear Thinking* *Right Living*

There are easier ways to feed cattle, but this system beats carrying a basket thru winter mud and ice. Fred Reher drives the tractor, while John P. Schnack and son Guenther fill the bunks. The wagon box on the machinery trailer is filled from a spout in the crib driveway.

Does Choring Make Money?

Read Label On Your DDT . . Page 5

Time To Buy More Land? . . Page 12

Lard, Butter Lose Ground . . Page 20

Kolaches Are Good Eating . Page 36

LOTS of livestock farmers say you can make money doing chores. But that's not to say you have to do chores the hard way. Why not look for faster, easier methods?

Nobody likes to carry a basket of corn thru the mud if he can use a spout or a blower to fill feeders and bunks. A new gate at a convenient spot in the fence, or moving a few feed bunks, may save miles of walking in a year.

Just as city factory managers are constantly on the lookout for more efficient machines and methods, Iowa farmers keep on finding better ways to do their chores.

JANUARY 15, 1949

IOWA'S LEADING FARM NEWSPAPER

1. THESE BOOKLETS DESCRIBE to our employees one of the finest, broadest employee benefit programs in any industry. The program includes sickness and disability benefits, group life insurance. It includes group hospital and surgical operation insurance, covering the employee and his immediate family as well.

2. LIKE THIS COUPLE, nearly 2,000 retired employees already receive benefits under Standard's retirement plans, another feature of the employee benefit program of this company and its subsidiary companies. Participation is voluntary, but the advantages of the plans are so great that over 90% of our eligible employees have joined.

3. OUR ACCIDENT RATE is far below average. These men and their more than 46,000 fellow employees are actually many times safer at work than they are at home! In their work, too, they have another kind of security—their jobs are backed by an investment of $25,000 per employee in tools and equipment. This investment, provided by Standard Oil's 97,000 owners, makes production possible and gives employees the means to earn high wages.

4. EMPLOYEES AVERAGE $4,000. Yes, one year's wages and benefits now average over $4,000 for each of our employees. These skilled, efficient men and women have responded by setting records, both in 1946 and 1947, for output of petroleum products that are in urgent demand by you and the nation. Again in 1948 new records have been set to help bring you more of the gasoline, fuel oil and other petroleum products you want.

Standard Oil Company
(INDIANA)

STANDARD
STANDARD SERVICE

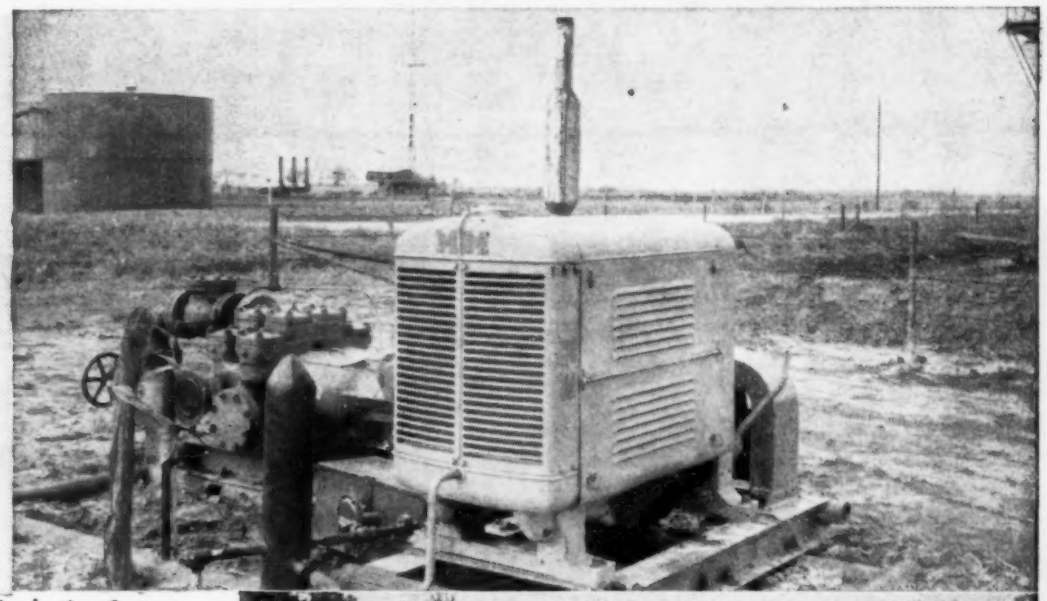
MINNEAPOLIS-MOLINE MM MODERN MACHINERY

in AGRICULTURE in INDUSTRY!

MM POWER UNITS

IN 6 SIZES

25 TO 230 H. P.



MM Power is Profitable Power—Lowers Production Costs

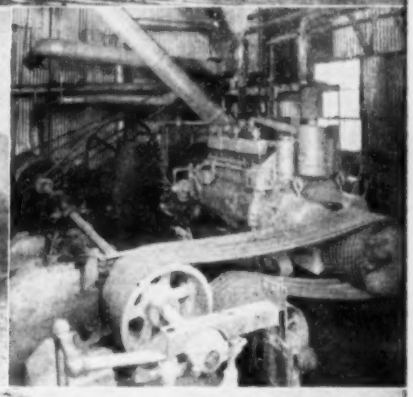
In agriculture and in industry MM POWER UNITS are preferred for their *long-life economy and dependability!* The record of a multiple installation of MM POWER UNITS that have been "on their own for nearly a decade" is truly a record of outstanding performance under grueling conditions . . . the kind of performance that you can expect *and get* with MM!

Soundly engineered and ruggedly constructed to deliver *low-cost power*, MM POWER UNITS are designed for easy accessibility for the minimum maintenance they require. Controlled cooling with safety cut-out maintains temperature at maximum operating efficiency. High-turbulence combustion chamber gets more energy out of the fuel consumed. Pressure lubrication with safety cut-out assures proper protection of moving parts. Carburetion equipment adapts MM POWER UNITS for *economical* operation on gasoline, natural gas, LP gas, or distillate.

Lower Your Power Costs With MM

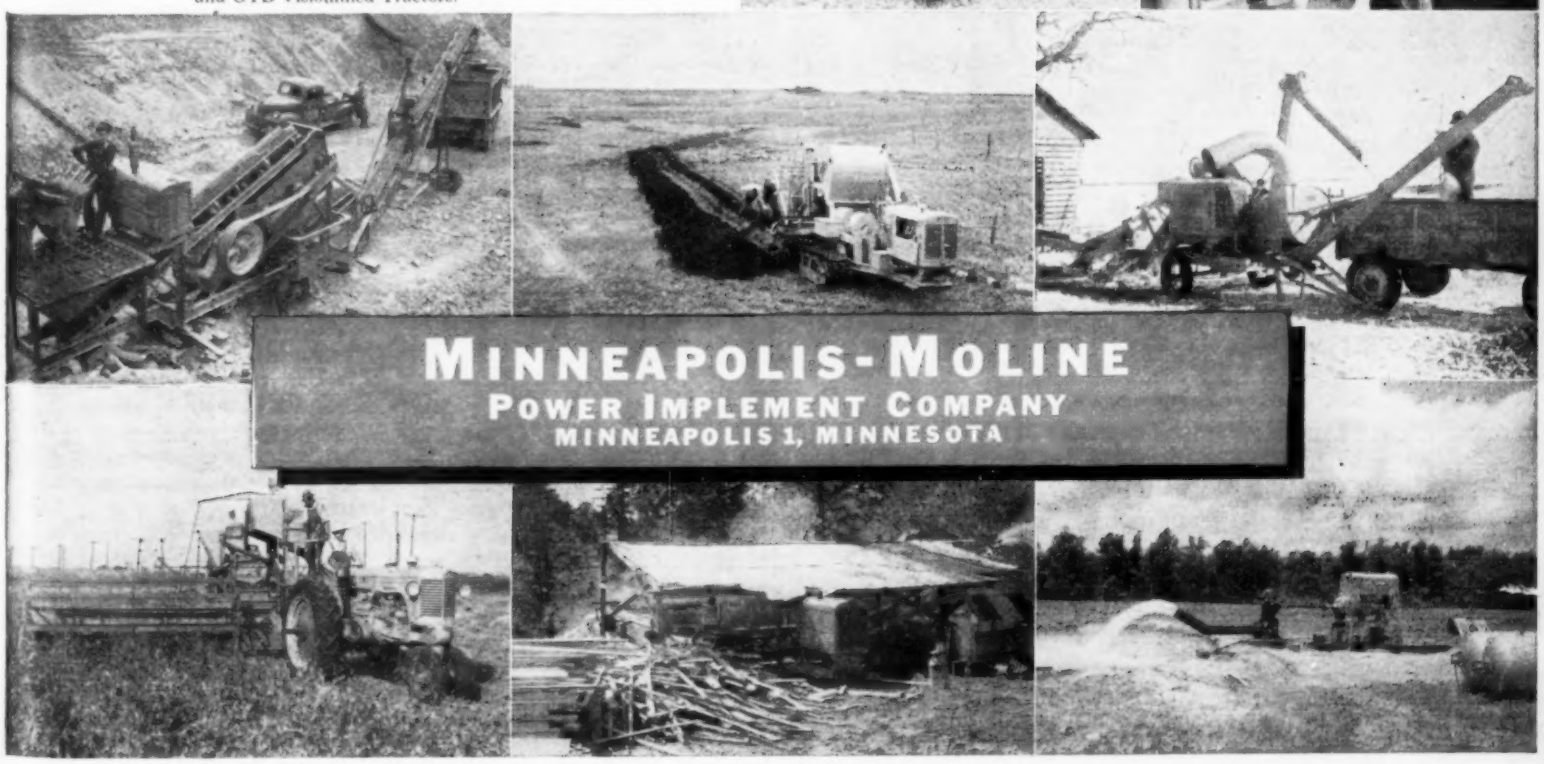
Each of the six MM POWER UNITS, from 25 to 230 h.p., is noted for its long-life dependability that has made the MM trademark famous wherever men till the soil in the modern manner or use industrial power. *Quality* MM POWER UNITS are now profitably powering hay balers, combines, threshers, ensilage cutters, feed mills, cotton gins, corn shellers, flame cultivators, peanut hullers, potato diggers, viners, sawmills, drainage pumps, irrigation pumps, oil well pumping units, sprinkling systems, generators, sheep shearers, ditchers, conveyors, elevators, blowers, beet loaders, and many other labor saving machines.

Get All the Facts From Your Friendly MM Dealer



UNI-MATIC POWER
Gets More Work Done Every Hour

MM's new hydraulic control mechanism raises or lowers farm implements automatically, permits pre-selecting or changing tool depth or height of cut, utilizes tested safety features for both operator and machines, and frees operator's hands and feet for greater safety. Finger-tip control lever is easy to reach, simple to use. Uni-Matic Power provides "push button" farming, reducing fatigue, labor, and drudgery. Available as optional equipment on MM's famous Z, U, R, and GTB Visionlined Tractors.



MINNEAPOLIS-MOLINE
POWER IMPLEMENT COMPANY
MINNEAPOLIS 1, MINNESOTA

...IN '49 RAISE MORE CHICKS *for* BIGGER CHECKS

Indications are that this is the BIG year to CASH in on more CHICKS. Feed is CHEAPER, more plentiful. Poultry and eggs promise to be high in price and demand. Plan NOW to start *more* chicks, and profit from this year's opportunity.

1. BUY EARLY CHICKS... *Order* NOW!

Start your chicks early and hit the top market. Early chicks make early friers, command big summer prices. You get earlier layers, too, for high-priced fall eggs. Early chicks have less disease loss; **make faster gains.** ORDER NOW; TO BE SURE OF THE KIND AND QUANTITY YOU WANT.

2. BUY ALL YOU CAN HANDLE!

This is the year to start all the chicks you can handle. The more you raise, the more you make on this year's **more profitable price ratios; low feed costs; big demand.** Feed a LARGE FLOCK; give your profits an extra boost.

3. FEED BALANCED RATIONS.

Your profits per bird are greater, if you follow a balanced ration feeding program. Be sure to feed a quality starting mash, from the day the chicks arrive. Feed them a **BALANCED RATION** which provides all the **proteins, vitamins** and **minerals** needed for a fast start and vigorous health. A strong, fast start is your best insurance for a fast, profitable finish.

REMEMBER: A chick eats only a dime's worth of feed in its first six weeks. Yet the QUALITY of that feed makes DOLLARS OF DIFFERENCE in your final profits.

START MORE CHICKS—START 'EM EARLY—FEED 'EM A BALANCED RATION!!! Place your hatchery order *NOW*. And ask your feed dealer for a high quality starting mash.

FEED INSTITUTE, Inc.
622 Des Moines Bldg. — Des Moines

SPONSORED BY THE FEED INDUSTRY IN THE INTEREST OF MORE PROFITABLE LIVESTOCK AND POULTRY PRODUCTION.

Corn in the Crib is being turned into corn and cob meal here. Owen Hall, Boone county, Iowa, is in charge. Thousands of other corn belt farmers are doing chores like this now.

INSIDE STUFF

HOW WOULD YOU LIKE to be told how many acres of corn to grow? And how many bushels to sell or feed?

▲ ▲

FOLKS USED TO try to scare me with this talk of "regimentation." My reply was that I'd rather be regimented than sell corn at a dime.

▲ ▲

JUST THE SAME, most farmers would like to avoid allotments and marketing quotas if they can do it. I think it's possible.

▲ ▲

THAT'S WHY I'm so strong for school lunches, revival of the food stamp plan, and other methods of aiding national health and supporting farm income at the same time. If we're smart enough, we can get along without allotments and marketing quotas.

▲ ▲

EVER HEAR would-be auctioneers going to school? That auctioneer's chant takes a lot of learning.

▲ ▲

TO COAX THE BIDS out of the back seats, you have to put a lot of excitement and lure in that "Do I hear a five—a five—a five—a five? Make it a five—a five," etc.

▲ ▲

RALPH BOND, a 19-year-old, of Jasper county, won the Westinghouse Iowa award for 4-H work and for a special project in electricity. One of the things Ralph did was to go over the wiring on his father's place and fix up some of the danger spots.

▲ ▲

I'D LIKE to borrow Ralph for a couple of days for my own place. Most farms need wiring checked over by an expert. But experts are scarce.

IF YOU HAVE ever had undulant fever, you probably noticed a report about some Minnesota doctors who tried sulfadiazine and streptomycin as a treatment. It worked pretty well on goat-type brucellosis.

▲ ▲

IOWA FARMERS, however, get their brucellosis from cows and pigs, not from goats. Now these Minnesota men have a new drug, aureomycin, that seems to work better on cow-type and hog-type brucellosis.

▲ ▲

IF YOU'RE HAVING trouble, ask your doctor to follow these experiments. Maybe we're going to find a treatment for undulant fever that will really work.

▲ ▲

HAROLD BEATTY, of ISC, tells me there's a farm up near Le Mars, Iowa, which is being warmed by pumping heat out of the ground. No coal, no oil, no gas. The method, however, uses a lot of water.

▲ ▲

IF YOU'RE a young farmer, and need to get more cows or more sows to make full use of the feed you raise, where do you go to borrow the money?

▲ ▲

I HEAR THAT local banks are tightening up on loans of this kind. PCA is going slow. And FHA is almost out of funds.

▲ ▲

WHAT DOES a young farmer do about this credit problem? I'd like to hear from folks who have run up against it—particularly if they have worked out some answers.

DONALD R. MURPHY.

WALLACES' FARMER AND IOWA HOMESTEAD
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Read The Label On Your DDT

Chemical Controls Flies; Don't Think It'll Prevent Polio

FARMERS have found that DDT can be a great help in controlling insect pests. It kills flies, mosquitoes, corn borers and other insects when used in a proper way.

But it may be that some get too enthusiastic even about the miracle drug. Letters to Wallaces' Farmer and Iowa Homestead indicate as much. Here is a letter from an Ida county, Iowa, farmer:

"I am writing you in regard to some agents selling DDT to combat polio.

"The way the agent starts his sales talk is to say that they sprayed all the local town school buildings, and the farmers should be patriotic and cooperate, too.

"I bought five gallons, on which I paid $11 down and am to pay $11.50 on delivery. The agent stated the company would not deliver in freezing temperatures."

Here is a letter from another Ida county farmer. After reporting that a Des Moines, Iowa, firm is canvassing Ida county, he says:

"Salesmen were sent thru Ida county, saying that they were on a polio drive, and were attempting to stamp it out. Last week, they came back to sell DDT for corn borer control next summer."

Wallaces' Farmer and Iowa Homestead received a call from a county extension director telling much the same story.

Agents were selling DDT to combat polio. They told farmers the schools were spraying and farmers should cooperate.

Then, as a clincher, the county extension director reported, farmers were told that the government was going to require all farmers to spray. So why not get in ahead of the rush?

"What should we do?" farmers are asking in letters to Wallaces' Farmer and Iowa Homestead. "Should we buy DDT now to combat flies, polio and corn borers next summer?"

With regard to polio, we know of no medical group that says that DDT spraying prevents the disease. No dealer or manufacturer that we know of makes such claims.

Much spraying has been done on the theory that flies carry germs and might spread polio. Exactly how polio is spread is still a mystery to well-known scientists.

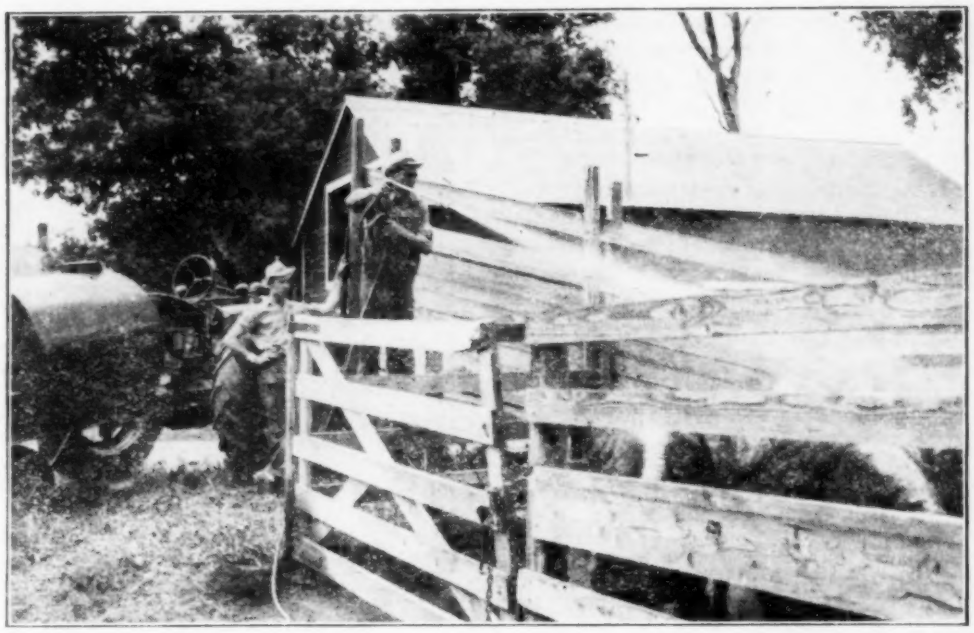
So, if a farmer buys DDT to kill flies, he is on safe ground. But he should not trust that DDT prevents polio.

In contracting for corn borer spraying service next summer, farmers should first study the recommendations of the entomologists. They say to spray when the egg count gets up to 50 masses per 100 stalks. If you are sure now that your fields will be that heavily infested, it might be a good idea to contract now.

But weather has a great effect on corn borer hatchings. Can you foretell weather for the next five or six months?

Farmers also say that time of hatching varies greatly from year to year. If you contract for spraying now, it might be well to have a clause that enables you to choose the spraying time next summer.

The Ida county farmer did not mention what strength solution of DDT he bought.



You Can tell a good custom sprayer by his equipment and the way he uses it. DDT is potent stuff. You want the right amount put on to do the job. So be sure of the chemicals you buy and the sprayer you hire to put them on.

For the information of our readers, here's what a Des Moines retail store charges for DDT: $17.25 for five gallons of 25 per cent DDT emulsion concentrate; $4.75 for five pounds of 50 per cent DDT powder.

Naturally, prices at your dealer's may be slightly higher or lower than this.

KNOW YOUR DDT

1. Buy according to strength, not quantity. A gallon of 25 per cent DDT contains as much insect-killing power as five gallons of 5 per cent DDT.

2. Buy the wettable powder form for use on livestock. So far, the emulsion has not been approved for use on animals.

3. Buy in the form that is suitable for your uses, and most economical for you. You can dilute your own material.

Important thing to remember is that a strong solution is worth more money than a dilute solution.

The 25 per cent emulsion will make 25 gallons of 5 per cent DDT solution. Five pounds of 50 per cent dust will make five gallons of 5 per cent spray. Ten pounds will make five gallons of 10 per cent spray for a total cost of $9.50.

Find out the strength of any DDT mixture you buy. It's foolish to pay $2.50 a gallon for water.

Dr. Harold Gunderson, Iowa State College entomologist, says: "A DDT emulsion concentrate will not freeze."

DDT emulsion concentrates come in an oil solution, says the doctor. If the DDT contracted for by the Ida county farmer is subject to freezing, it is most likely a suspension of DDT wettable dust in water.

All DDT must be labeled, according to Iowa law. Therefore, farmers should read the label. If it is not labeled, or if the accuracy of the label is questioned, contact the Iowa Department of Agriculture.

What about the spraying job itself? In case you plan to hire your spraying done, should you sign up now? That depends on your man. Your best bet is to go by the rules in the box to the left.

HERE IS SOME GOOD ADVICE

We printed similar advice last February. It's still good for 1949. This applies whether you are hiring a ground spray outfit or an aerial sprayer. These insect and weed-killing chemicals are potent. Make sure your sprayer knows what he is doing. Make sure he will do the job right.

Watch Out For

Complete strangers who want large down payments in advance. Maybe they should give you a deposit so they'll show up when you want them.

A fellow with poor equipment.

Anyone who won't be supervising the actual spraying himself. Don't sign up with a man who may send inexperienced help with no supervision.

Anyone who wants a two, three or four-year contract to rid your field of noxious weeds.

A man who signs up an unlimited number of farms. There's a limited time to spray. On corn borers, a delay can make spraying useless.

Try To Hire

An operator who lives in your trade territory.

An operator who has attended educational meetings in the county on weed and insect control.

Someone who knows and follows proper recommendations on weed and insect control materials.

A man who can be reasonably certain he can come to your farm within a day or so of the time you want him.

Editorials

Early Pigs And March Weather

MORE spring pigs are on the way, according to the BAE December pig survey. But will the increase be in early or late farrowed pigs?

Farmers don't agree on this question.

"There will be more pigs, all right," says Daniel Gilbert, of Boone county, Iowa. "Many farmers said early that they wouldn't keep more sows, but it looks like they had changed their minds."

Gilbert thinks that the main increase will show up in late farrowings. He does not look for many more early pigs.

A. J. Marken, of Franklin county, Iowa, has a different view. "When there's lots of corn, people are inclined to have their pigs come earlier," he says. "A lot depends on equipment, of course. In my neighborhood, folks aren't fixed to handle many more early pigs."

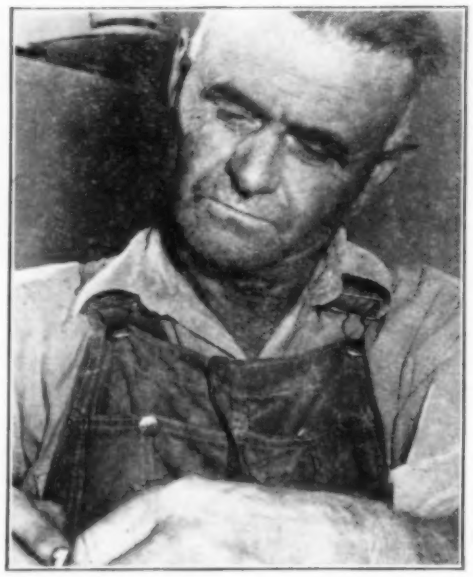
Farmers do agree that it is foolish to try to raise a lot of early pigs if you aren't fixed for it.

Jack Dethmers, Hancock county, Iowa, says he learned this from experience about eight years ago.

"I had early March litters," he reports. "Weather was bad; we couldn't turn them out. I never had a poorer-doing bunch.

"First, it was anemia. After that, they seemed to take every disease that came along.

"That's why I don't expect too big an increase in March pigs. Even if more sows have been bred for early litters, a lot of farmers who aren't fixed to handle them will wind up with fewer pigs."



He Played Safe

Farmers are conservative in figuring future profits. Here's an example. Months ago, before the price drop in hogs, we asked a lot of Iowa farmers what they thought they'd get for their 1948 spring pigs.

C. O. T. Andeberg, of Greene county, Iowa, was one of these farmers. At that time, he figured he would sell most of his spring pigs by February 1, and he thought he'd get around $19 for them.

When prices dropped in October, he wasn't much surprised. His own price estimate turned out to be a bit too conservative—but pretty close at that.

Wheat Men Headed For Trouble

WHEAT farmers apparently think that 90 per cent of parity is a mighty good price. With the wheat loan around $2, farmers have planted 5 per cent more winter wheat than last year.

The nation needs less winter wheat. The Department of Agriculture asked for a cut. But the $2 price is bringing more wheat than anybody wants.

What do we do about it?

Will lower loan prices cut down wheat acreage? How can wheat farmers be encouraged to shift to other crops? Will we have to go back to acreage allotments and try marketing quotas?

These are tough questions. Corn belt farmers have their own troubles, but they are lots easier here than in the wheat belt.

Sod Corn Vs. Second-Year Corn

IN PLANNING for corn acres in 1949, keep in mind the big difference in corn yields made on sod, as compared with yields of second-year corn.

Sod corn yielded 17 bushels per acre more than second-year corn in three-year tests on the Page county, Iowa, soil conservation experimental farm.

This 17-bushel difference would not surprise most farmers. If corn yields 65 bushels the first year after legumes, then 48 bushels would be considered pretty good the second year.

Does this mean that farmers should abandon the common four-year rotation with two years of corn and use rotations with only one year of corn?

A hundred crop acres on the four-year rotation has 50 acres of corn. On the three-year rotation there are 33⅓ acres. Total yield on the 50 acres would be 2,825 bushels. On the 33⅓ acres, 2,167 bushels.

The three-year rotation would cost 658 bushels of corn, but the farmer would have eight more acres of both oats and legumes.

The effect of changing to the three-year rotation and one year of corn would not be the same for all farms. It might be a good job for a long winter evening to figure out the difference in feed produced, labor expended, and the probable effect on the land.

You should start, of course, with yield differences found on your own farm between sod corn and second-year corn.

Want to Lose Corn Loans?

Farm Quarrels and Consumer Hostility Threaten Program

HOW would you like to have all federal price supports for farm products taken away? And no aid for soil conservation, school lunches and other things that help farm income?

There are plenty of folks who think such action would be just dandy. They say farmers are well off, that they don't need help, and shouldn't have any help.

Before farmers get to fighting among themselves on just what kind of farm legislation they like best, they had better take a long look at the opposition to any kind of farm program.

Fortune, the New York business publication that sells for a dollar a copy, speaks for groups who think the way to cut government costs is to cut farm appropriations. Here is a quotation:

> **"Food is the largest single element in the cost of living, and hence has an enormous leverage on wage demands. If this spiral is ever to be broken, the opportunity is now, when a fall in farm prices would not mean farm poverty."**

Actually, as farmers know, and as Fortune should know, the spiral has already been broken. Food costs have dropped steadily since last August.

Most dramatic example of a price collapse is in citrus fruits. Price of grapefruit to the grower is at 18 per cent of parity. Oranges are at 27 per cent of parity.

Go back to a year ago. Corn has dropped a dollar. Soybeans are down a dollar. Hogs are down. Beef cattle are down. Butterfat is down.

Farm income is still good, but the farm problem has changed. A year ago, Fortune and other city people were entitled to worry about rising food costs.

Today, food costs are steadily declining. The concern of city people should be: How can the nation prevent farm prices from slumping so far as to drag the rest of the nation into a depression?

WALLACES' Farmer and Iowa Homestead has quoted the statement from Fortune to show how out-of-date many comments on the farm problem are. But many city people and city congressmen hold these views.

This is why it is so important that farmers should not waste their energy in fighting each other on a farm program. And the farm program that is presented should be the kind that will make sense to consumers who have the votes in congress.

Now the Meat Comes Out Of The Freezer

FARM women used to can a lot of meat. Old hens, beef and pork went into jars. But that was before freezers and lockers.

Now farm women can fruits and vegetables almost as much as in the old days. But, of 100 Iowa women questioned recently, the average woman said all the meat she canned went into 11 jars, while it took 130 to hold the vegetables and 128 to hold the fruit.

Farmers eat more meat and better meat than they used to. But today it comes out of the locker or the freezer.

How Many Chicks To Buy This Year?

LAST year at this time, Wallaces' Farmer and Iowa Homestead was telling farmers to buy plenty of baby chicks and to get ready for a winter when eggs and poultry prices would hold up fairly well, and when feed prices would be down.

That advice worked out. Today, the feed-egg ratio is much more favorable to producers than it was a year ago. The average poultry ration costs, as reported by the U. S. Department of Agriculture, have dropped 26 per cent in the last year.

But what should poultry raisers do in 1949? Will the corn surplus turn into an egg and poultry surplus next fall?

One sure thing is that early chicks—if you can handle them—will pay best. The broilers will hit an early market. The pullets will start laying before the winter flood of eggs begins.

Broilers may do fairly well up until the 1949 pig crop begins to hit the market. Beef and pork supplies won't be too high thru most of 1949.

If pay rolls are big, there will be lots of consumers eating chicken. And paying for it.

Late-hatched pullets don't look so good. By the time they get to laying, there may be a lot of eggs rolling in.

Our advice this year is just the opposite of our advice a year ago. In 1949, don't expand chicken production. If you have been raising more than your equipment and time justifies, cut down.

There is a danger that too many in-and-outers will raise more late chickens than the market can handle, either for eggs or meat.

Buy better chicks this year. Buy them early. Don't get any more than you can handle economically.

Farmers can make money on 1949 baby chicks. But it will take more figuring than a year ago.

"I Could Do That, Too"

The young farmer who was visiting the editorial office had something on his mind. Finally, he got it out.

"I don't like articles about big, successful farmers," he said. "I know you don't do much of this, but some do. And articles like that make my job look pretty hopeless."

What bothered him was the idea that, to be an efficient farmer, a fellow had to have oodles of money, lots of equipment and years of experience.

"What I like," he said, "is to hear about something I can go out and do myself. This afternoon or tomorrow."

Wallaces' Farmer and Iowa Homestead agrees. That's why our articles talk so much about methods anybody can use.

If all the good methods actually in use on Iowa farms could be employed by everybody, we'd cut costs and increase efficiency beyond all reckoning. And most of these methods can be used by every farmer—even if he isn't too well fixed.

We will see that you keep getting plenty of articles that will make you say: "I could do that, too. I believe I'll try it."

Odds *and* Ends

HOW are you fixed to keep early pigs and early chicks comfortable?

FARMERS who cooperated with AAA in 1948 farmed more than six million acres on a strip-crop basis. They put in 64 thousand miles of terraces.

SOIL conservation district men are urging a change in the state law which would permit renters as well as owners of land to vote for district commissioners. Sounds sensible.

ANOTHER change that is needed is a provision that will pay expenses of commissioners. A commissioner gives his time. He shouldn't pay for gasoline, too.

FARMERS are right when they say flexible supports—from 72 to 90 per cent—won't provide enough backing for farm income in a period of declining price levels. Subsidized consumption of farm products on a big scale will be needed, too.

OTHER farmers are also right who say that a flat 90 per cent support price would pile up surpluses, block needed shifts in production, and drag us into allotments and marketing quotas.

A WORKABLE farm program takes more than a set of support prices. The Aiken-Hope bill is a start in the right direction, but needs fixing.

IOWA farm product prices were still above parity (104 per cent) on December 15, but this was a good deal of a drop since a year ago. Crop prices were almost cut in half in a year, but livestock products slumped much less.

FARMERS are turning feed into butterfat, eggs and pork at more profitable rates than a year ago. On December 15, 1947, it took only 9.7 bushels of corn to equal 100 pounds of hog on foot. On December 15, 1948, it took 17.6 bushels to equal 100 pounds of hog.

THE more hogs go to market in January, the fewer will be sold in February. And packers will have to buy for storage sometime this winter.

HONOLULU had a naval hospital big enough to take care of all army, navy and air force folks stationed there. But the army built a new 37-million-dollar hospital for its own folks. Real unification of the services could save a lot of cash.

IF THE corn belt were farmed so as to conserve soil, what changes in crops would be made? We'd cut row crops 6 per cent; cut small grains 16 per cent, and increase hay and rotation pasture 28 per cent. That's what George Walter, of BAE, says.

FARM land values are dropping in Florida and California. Low citrus prices explain why. Only 12 states report land prices under 1920. Iowa is one of the fortunate 12.

Song of the Lazy Farmer

IF I WERE starting life anew, I'd look this land of ours all thru until I found a sunny clime where they don't have a winter-time. I don't think man was made to stand a cold, refrigerated land; it seems to me that if we were, we'd have a heavy coat of fur, or we'd be made to operate just like a bear, and hibernate. But we can't sleep all winter long, we must have food to keep us strong; instead of fur for out-of-doors, we're covered with a bunch of pores, which proves again that we are made for lands a hundred in the shade.

You can't tell me that it is right to live where flu bugs like to bite, especially when they get such glee from gnawin' on old birds like me. About this time in ev'ry year, I am convinced my time is near; I start to sniffle and to cough and think I'll never shake it off. My back aches and my nose gets red, I get all stopped up in the head until I think my ears will bust; and then Mirandy says I must take some of her pet medicine, I hate it 'cause it tastes like sin, it has the most gosh-awful smell and, worst of all, it makes me well.

Roadside in Sac county, Iowa, being sprayed last June by Earl J. Lindquist. His neighbor, George Bloyer, helped build pulley arrangement so operator can raise or lower boom from tractor seat.

2,4-D Rules For '49

New Weed Killing Recommendations Are Similar To Those That Were Issued Last Year

By WALLY INMAN

THERE isn't any one answer to weed control problems. Weeds can be licked. But there are several steps in the process. That seemed to be the central theme of the Iowa Weed Control Conference, Chemical and Equipment Show, held in Des Moines last week.

Here are the stepping-stones to a weed-free farm, according to the experts at the meeting:

Clean seed is the foundation stone.

Good crop rotations offer a natural check.

Clean cultivation and good seed-bed preparation kill many weeds.

Chemicals are the "ace in the hole" that put the final crimp in troublesome weed pests.

More than a dozen chemicals are available for various weed control uses. Lately, because of its selective action, 2,4-D has been getting the most attention.

Here are the suggested rules for using 2,4-D this year:

CORN: Use only as much 2,4-D as you need to kill the weeds present. If weeds are easy-to-kill kind, use less than if you are trying to kill Canada thistle. (See list of easy-to-kill and hard-to-kill weeds on page 49.) Do not use more than one-half pound of the salt or amine form of 2,4-D and one-fourth pound of the ester type of actual 2,4-D per acre.

Avoid spraying on extremely warm days; use nozzle extensions to get the spray on the weeds and below the leaves of the corn. Wait a week after spraying before cultivating. Let the chemical have a chance to work.

SMALL GRAIN: In spring planted wheat, oats and barley, you can use one-half pound of the amine or salt form and one-fourth pound of the ester form of 2,4-D per acre. Spray when the grain is fully tillered but before any heads appear.

For fall seeded wheat and rye, the same dosages are recommended. Try to spray when the weeds are small, and before the crop is in the boot stage.

But if your land is relatively free of weeds, and you have a legume seeded in the small grain, it is not wise to spray. Red clover is more resistant to 2,4-D than alfalfa or sweet clover.

FLAX: Dosage recommendations are lower for flax—one-fourth pound of the amine or sodium salt types and one-eighth pound of the ester. Spray when flax is about six inches high; do not spray in bud or bloom stage.

Some varieties of flax can't stand 2,4-D very well, so don't plan on spraying B-5128, Crystal or Minerva. Spray a test area several days before you spray the main field.

GRASS CROPS (Pastures, roads, ditch banks, railroads and fence rows): As a matter of economy, the dosage should be only strong enough to kill the weeds present. You don't have to worry much about damage to the grass. Seedling grasses can be injured. Otherwise you can expect good kills of most weeds without harm to the grass.

BRUSHY AREAS: Here, if 2,4-D has not seemed to get good kills, you may want to try a new chemical — 2,4,5-T. Sometimes a mixture of 2,4-D and 2,4,5-T will get toughest brush.

Three Iowa State College scientists—A. L. Bakke, E. P. Sylwester and D. W. Staniforth—joined in working out those recommendations. They also presented an opinion on another subject which has been worrying some farmers.

Here is what they say about 2,4-D building up in the soil:

"There is evidence that 2,4-D is oxidized by chemical or biological action in the soil, and usually disappears after 30 to 90 days, depending on soil types, organic matter content, moisture and temperature. At the present time, there is no indication that 2,4-D will accumulate in the soil so as to eventually persist in toxic quantities."

The experts who appeared at the meeting pointed out a lot of things that can affect results with chemical killers. Dust on roadside weeds can make them tougher to kill, for example.

Stage of plant growth is very important. Maybe your neighbor says he killed a certain weed with little trouble. But you didn't have such good luck. Some weeds which become resistant with age can quite easily be killed when they are small.

Again in 1949, pre-emergence, or spraying after the crop is planted but before it is thru the ground, is recommended on a trial basis. Generally speaking, the weather last spring made for poor results.

If you try pre-emergence, corn should be planted and the 2,4-D applied after planting at the rate of two pounds of the salt or amine form and one and one-half to two pounds of the ester type. This treatment helps control grasses as well as broad-leaved weeds.

A great number of county officials attended the conference, so enforcement of the weed law came up for discussion.

The Iowa Weed Council also presented for discussion a list of suggested changes in the weed law. The changes were designed both to clarify and strengthen the law.

They included the elimination of the designation, primary or secondary, and refer to both former lists merely as noxious weeds. The appointment of a county weed commissioner was suggested on a year-around basis.

It was suggested that the amount of money a weed commissioner can spend on one infested tract, without permission of the supervisors, be raised to $50. Notice to owners was clarified by suggesting that written notice be required.

As the law now stands, the limit that can be spent is $25.

One county supervisor mentioned that, in addition to giving the state botanist power to temporarily classify new weeds as noxious, he should also classify as noxious, within smaller geographical limits, a weed or weeds that are a serious problem there, but not bothersome in other parts of the state.

A new section was suggested to more closely control movement of noxious, weed-infested grain or seed into the state.

A great many manufacturers of agricultural chemicals, spraying and dusting equipment had displays in the Coliseum and contributed to the success of the conference.

Headed for the yards of the Stanhope Cooperative Shipping Association is this load of hogs raised by Julian Fardal (left), Hamilton county, Iowa. Trucker Dale Neese (right), helps load them.

What's Happened To Shipping Co-ops?

Nine Out Of Ten Are Gone, But Some Of Those Left Still Do A Booming Business

DURING and just after World War I, Iowa farmers organized cooperative livestock shipping and marketing associations by the dozens. At high tide—in the mid-1920's—there were some 700 of these associations.

In 1925, half the farmers in the state marketed at least part of their livestock thru the co-ops. One-fourth of the livestock sold—including 31 per cent of the hogs—was handled by the associations.

Then something happened. The co-ops began to fold up. Today, there still are some 60 to 70 in Iowa, tho many are co-ops in name only.

What caused the co-ops to disappear? Sometimes it was poor organization. Members were not loyal, sold much stock thru other channels.

In many cases, it was just poor business. Territory and volume were too small, management poor.

But changes in the whole system of livestock marketing had their effect, too. Trucks, paved roads and interior packing plants came into the picture. Co-ops set up merely as rail collection points didn't modernize their operations, faded out of the picture. Market news, nearby markets, and better transportation made it easier for farmers to market their own stuff.

Does that mean marketing associations no longer can serve any useful purposes? Not at all, says Sam Thompson, Iowa State College economics professor.

The average farmer, Thompson contends, can't match an experienced buyer when it comes to grading and appraising livestock. And even with the big increase in market news service, he says, it's hard for a farmer to run up a very good average at picking best markets for certain grades and weights or best days to ship.

So Thompson thinks a co-op has its place if: It covers enough territory and has enough potential volume; if it has good management; if it really sells, not just collects; if it's a real co-op in the sense that it has a high level of member interest and loyalty.

Not all the associations still in existence meet these specifications by any means. Some are doing a big business, even tho they merely collect and ship stock to a single market, and even tho farmers may think of them as just another marketing channel.

Some of them, perhaps, would do a much bigger business if they did more selling and had more member participation. Many are making new moves in that direction. But even in the meantime, many perform a sizable economic service for their communities.

One random example is the Stanhope Cooperative Shipping Association, in Hamilton county, Iowa.

Organized in 1918, it serves an area from four to six miles in each direction from Stanhope, owns its own yards and scales.

Under the direction of Martin Olsson, manager since 1921, the Stanhope co-op now is handling close to a million dollars' worth of livestock a year. Big business is hogs, nearly all of which are sold to one Iowa packer. In 1947, the co-op shipped 501 truckloads. Some cattle (62 truckloads in 1947) also are shipped, usually to Chicago.

Total cost of the co-op's services (trucking, manager, sinking fund) to hog shippers in 1947 was around 1 per cent of total sales.

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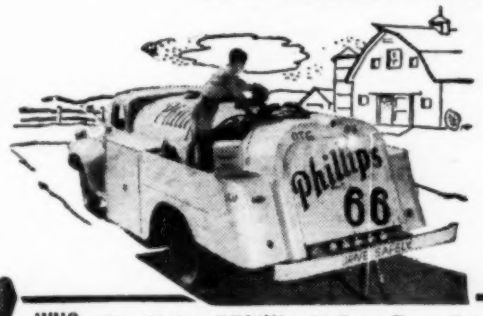

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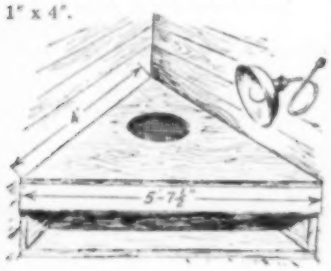
WHO—*Des Moines "Phillips 66 Barn Dance" 9:00-9:30 P.M. Saturday*

FEEDER'S DIGEST

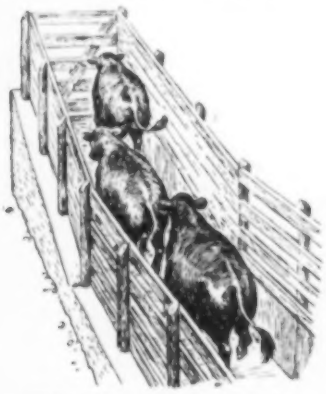
Winter Tips For Top Feeders

Electric brooders cut pig losses

Chilling accounted for the death losses of 41% of baby pigs that died in 11 midwest hog-producing counties last year. Authorities agree that heated brooders would have reduced this heavy loss substantially. They say that brooders will save an average of one pig per litter. With spring farrowing time not far off, now is the time to think about building brooders. Below we show a brooder made with a heavy plywood top. The 14" hole in the top takes the light assembly. Sides are 1" x 12"—the front strip is 1" x 4".



Proper feeding is another good way to reduce losses. *Swift's Sow and Pig Meal* helps produce larger litters of strong pigs. It is formulated for brood sows, and pigs up to 75 lbs. Then there is *Swift's Pig Feed* for the 75 to 120 pounders. After that you can finish your porkers on *Swift's Hog Fattener*. If you are feeding your own corn and other grains, *Swift's (43%) Swine Concentrate* is the feed you need to speed production. It provides *both* animal and vegetable proteins, plus essential vitamins and minerals needed to balance the ration.



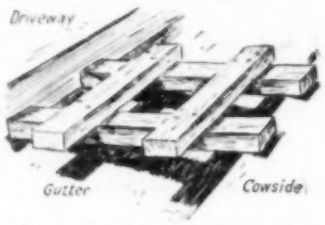
"Blind" chute speeds loading

Cattle loading chutes are generally pretty much alike. But now someone has come up with an improvement. The only change from the ordinary type is tight siding along the incline. It is claimed that when the animals can't see that they are above ground level, that they walk right up without trouble.

And to load the kind of steers that carry money-making meat pounds, we recommend feeding *Swift's (36%) Steer Concentrate*. This gain-making feed provides the protein balance needed for best feeding results. It contains a balanced combination of high quality proteins, vitamins, minerals and other quality nutrients. Fed with your home-grown feeds, *Swift's Steer Concentrate* helps you feed out quality market animals at lower cost.

There's one in every dairy herd

Probably you have a cow that insists on standing in the gutter, but you can stop her with this simple gadget, as illustrated below. It is made of 2" x 4" as illustrated. It can be tipped back and out of the way when the barn is being cleaned.



A winter feeding program based on Swift's line of dairy feeds can add extra dollars to your milk and cream checks. You can keep productive levels high by feeding *Swift's (36%) Dairy Concentrate* with your own grains, silage and hay. It provides milk-making proteins, vitamins and minerals in a combination that gives you a fully balanced ration for your dairy herd. If you do not have too large a supply of grain, you will want to feed *Swift's (24%) Dairy Feed* or *Swift's (16%) Dairy Feed*, depending on your grain supply and the quality of your roughages.

You can save milk by feeding your calves *Swift's Calf Meal* which supplies the growth nutrients which enable you to start the calves on a minimum amount of milk.

For profitable poultry and eggs

Ask your feed dealer about Swift's complete line of poultry feeds for growing chicks, laying hens, meat birds and turkeys. Whatever you feed on the farm . . .

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Buy from the dealer displaying this sign

Father and Son team, John P. Schnack and son, Guenther, Clinton county, Iowa, farmers, point out a gilt in the bunch that represents the type they like to keep for their spring pigs.

Will Your Feed Make Strong Pigs?

Balanced Ration Now Means Healthy Litters Of Husky Pigs In The Spring

ARE your brood sows getting plenty of the right kind of feed now? What they eat now has a lot to do with how big your spring pigs will be at weaning age.

Pigs which are undernourished when they are born, and then have to nurse a sow which has had to draw heavily on her body reserves before they were born, can not be expected to grow rapidly.

Minerals should not be overlooked at this time.

In Clinton county, Iowa, John P. Schnack has 28 gilts which are due to farrow March 1. He was feeding them a mineral in a self-feeder. The gilts did not eat very much of it as long as they had pasture.

"But now, when there is snow covering the ground, you can really notice an increase in the amount of mineral that the gilts eat," says Schnack.

It's probable that they wouldn't eat it, Schnack figures, if they didn't need it. In addition to the mineral, he likes to keep clean, fresh water available for them in heated waterers all the time.

"That's more than half of the battle," he says.

Schnack likes to see the gilts get enough exercise, also. And he feeds them a pretty bulky diet in order that they won't get too fat.

"I give them a mixture of ground oats and ground corn that contains about 15 per cent of ground alfalfa from the third cutting, plus a little salt. In addition to this, I feed supplement in another self-feeder," Schnack says.

It is only recently that hog hog raisers began to appreciate the real value of high-protein, high-vitamin alfalfa for brood sows. Such alfalfa doesn't have to be ground. You can feed the hay in a rack if you wish. And it is always a good idea to feed only the best quality hay to the brood sows.

A brood sow might draw a lot of necessary material from her own body, and produce a fair litter of pigs, even if you didn't feed her properly.

But that is not good business for the hog raiser. Why not feed the sow right, keep her in good condition, gaining a little all the time, with plenty of flesh at farrowing time?

Then the sow can go ahead and really produce milk for those pigs. They will get away to that "fast" start which is so important. And they will be more rugged pigs, better able to stand the bad weather and to resist disease.

Next year might just happen to be a year when it would pay you to railroad those pigs right to market. And now is the time to start preparations for doing it.

But don't try to do it by feeding those brood sows a lot of that corn. You can overdo that.

Instead, see that your sows receive a good, bulky ration—made up mostly of oats, some corn and 10 or 15 per cent of alfalfa. And make them walk after it.

Give them a good, complete protein supplement in addition. Gilts need more protein than old sows. And provide them with mineral, too.

When you have done all that, remember that the sow and pigs actually are mostly water. So give them lots of clean, fresh, warmed water these winter days.

Your brood sows do not need a fancy shed. They need a dry, draft-free place to sleep. Give them plenty of bedding to hold down the dust, and you've just about done your job.

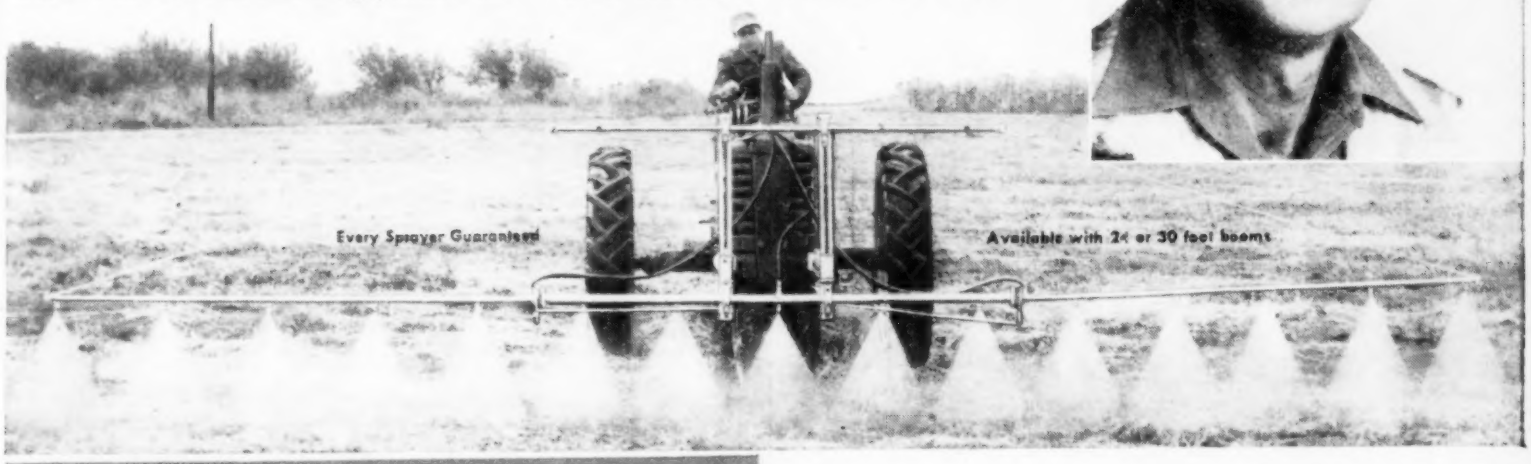
"SPEEDY SPRAYER IS THE BUY!"

SAYS ARTHUR ALINK, BEAVER CREEK, MINNESOTA

"I'm certainly glad that I bought a SPEEDY SPRAYER," says Mr. Alink. "It does a top job of spraying and cost me less money than other sprayers.

"Most farmers today know that spraying to kill weeds and insects is a sound investment. Weeds can reduce crop yields a lot. With my SPEEDY SPRAYER, I increased crop yields more than enough to cover the amount of money I spent for it.

"In my opinion, every farmer should spray to kill weeds and insects. It is also my opinion that the SPEEDY SPRAYER is the best buy in the market today."



Trailer models also available with utility box, 210 gallon tank or attachments for two 55 gallon tanks.

NO BENT or BROKEN BOOMS with the new 1949 SPEEDY SPRAYER

EXCLUSIVE DOUBLE-ACTION HINGE

"One reason I bought a SPEEDY SPRAYER is because of the double-action hinges. When the spray booms on my SPEEDY hit stumps, rocks, etc., the double-action hinge lets the boom swing with the object, allows it to pass, then returns to normal position. The all-steel hinge construction assures trouble-free operation at all times."

OPEN... Balanced hinge bearings hold booms rigid when open ... NO wobble or end play.

CLOSED... In normal spraying position, spray booms remain rigid.

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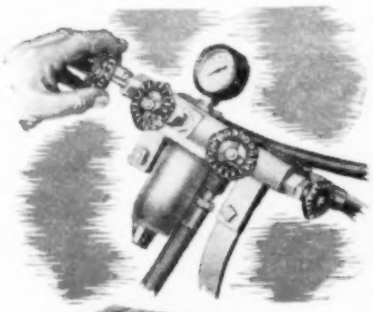
"Time saved is money in the pocket," says Mr. Alink. "With the new SPEEDY fingertip control I can control all sections of the spray booms by merely turning easy-to-reach handles—I don't even have to leave the seat of my tractor. No clogged or slow spray nozzles... scientifically designed filter is built into the manifold ... easy to change or replace."



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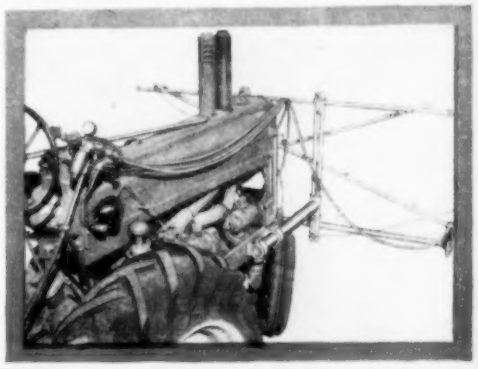
The 1949 SPEEDY SPRAYER fits all tractors. By simply attaching two adjustable frame mounts, inserting and tightening four bolts, your SPEEDY SPRAYER is ready to use.



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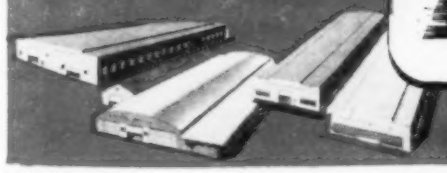

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Farm Men enjoy hot running water, too. In a washroom just off the kitchen of their Cass county, Iowa, farm home, John Mattheis and his son, Clare, clean up as young Philip watches.

Better Home Or More Land?

Only Speculators Cash In On Land Boom, But Everybody Likes Comfortable Living

MOST corn belt farmers are in a better financial position today than they have ever been.

Farm debts are low. Lately, incomes have been high. Many farmers have extra money in the bank. And they are looking for a place to invest that cash surplus.

Some farmers are buying more land. Some are buying U. S. Savings Bonds. Others are buying farm equipment. But, says Farm Economist Lowry Nelson, of the University of Minnesota, any farmer investing money should ask himself this question first:

"How will it look in 10 years?"

After World War I, farmers were in much the same position as they are now. During the war and right after, they got good prices for grain and livestock. They saved money.

But too much of it went into speculative land buying. Many farmers, Nelson thinks, could have used their money to improve their homes, take a trip, send their children to school, or buy U. S. bonds. But many who bought land lived to see themselves 10 years later burdened with mortgages they could never pay off.

So what should a farmer put his money into? Nelson has set forth his ideas in a pamphlet, "Can Farmers Afford to Live Better?" It is published by the Agricultural Committee of the National Planning Association. Here is what the pamphlet says a farmer with $5,000 in the bank ought to do:

1. Fix up the farm and home so far as he can buy equipment that is not scarce and high-priced.

2. Put the balance in U. S. Savings Bonds.

3. Cash in the bonds and buy needed equipment when prices in that field start to weaken.

Suppose the farmer uses his money to buy more land. He runs up his overhead with added interest and taxes. He is more vulnerable when the next price drop comes. And he pushes the land boom higher, making the bust worse when it does come.

When a farmer puts his cash in higher land prices, nobody benefits but the guy who cashes in.

But if the farmer buys equipment for his farm and home, he gets things he can use and enjoy for years to come. He often improves his operating efficiency.

He will help inflation if he buys scarce goods. But if he buys equipment that is in full production, he helps demand and puts a brake on depression.

When a farmer buys better living conditions for himself and his family, he helps industrial employment. Thereby, he makes a better market for farm products.

Farm people can't afford not to raise their standard of living, says the pamphlet. It backs this statement up by pointing to the number of young people who leave the farms for better working conditions in the city.

Do you think farmers should buy land with their extra dollars? Or should they use the money to improve homes, health and education of their families? The pamphlet, "Can Farmers Afford to Live Better?" has a lot of facts.

The pamphlet sells for 50 cents, but Wallaces' Farmer and Iowa Homestead thinks so much of it as a help in discussion groups and to individual farmers that we have bought a limited number.

You can get a copy—one to each request—for 10 cents. We will stand the difference. Send a dime to Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

NOW—a Hay Chopper.... Ensilage Cutter THAT GIVES SUPERIOR CAPACITY ON LESS POWER!

New "cutting angle"

An exclusive feature of the New Holland Hay Chopper-Ensilage Cutter is the high-speed slicing action of the cutting knives *holding material* to keep it from crawling away as in "scissor-type" cutters. This superior method means greater capacity with less power—new time and labor-saving efficiency. You get better feed at *less cost!*

ONE-MAN OPERATION PLUS BIG CAPACITY:

10 to 20 tons of silage an hour!
6 to 15 tons of green hay an hour!
4 to 6 tons of dry hay an hour!

Standard equipment for the New Holland Hay Chopper-Ensilage Cutter includes 4 six-foot sections plus a three, a two, and a one-foot section of blower pipe; tilting pipe connection and deflector; built-in collector and tool box; extra set of four knives; two wrenches; 14" x 7" Rockwood pulley; and combination stand and drawbar hitch. Pneumatic tires or steel wheels are available.

The New Holland Combination Hay Chopper-Ensilage Cutter feeds, cuts to desired length, blows hay, corn or other crops to mow or silo. Extra-wide table. Positive feed. 1½-square inch throat opening for greater capacity. One-man operation. Salvage pan is included.

The New Holland Hay Chopper-Ensilage Cutter in action. It cuts material into a choice of 10 lengths from 3/16" to 1¾". Knives may be removed for sharpening without disturbing the micrometer-type adjustment.

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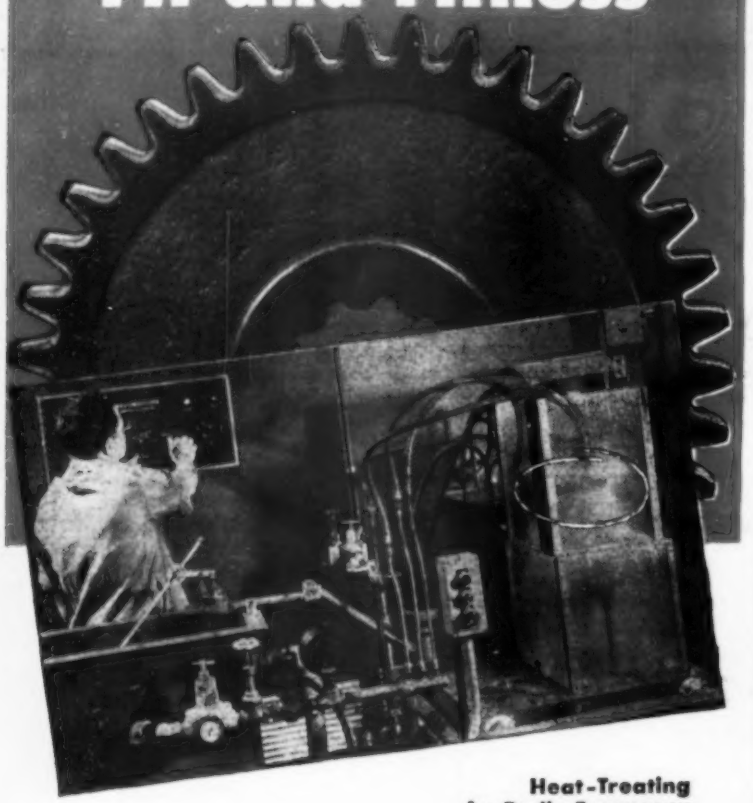

Heat-Treating by Radio Frequency

A Farmall C transmission gear, preheated to 1200 degrees Fahrenheit by low-frequency induction, has just been induction heated by radio frequency to near 1700 degrees in only .6 (six-tenths) of one second. (The less-effective conventional method takes 20 to 30 minutes.) The gear is shown being water cooled. This step helps develop a precision method of induction hardening. Note in top photo the depth and uniformity of wear-resisting hardness of gear tooth exteriors. And tooth interiors retain their great strength and toughness to defy load shock. IH scientists keep constantly busy developing better methods to achieve and assure parts quality.

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1. The IH *engineered* part will *fit*. 2. The IH part will have the complete *fitness*—such as the required strength, the resistance to shock and wear, to perform and last like the original part.

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INTERNATIONAL HARVESTER

Workday Pointers

DANGEROUS PLACES to smoke include the barn, around the gas barrel, and in bed.

▲ ▲ ▲

CHANGING OIL on a tractor when the motor is hot is more important in winter than in summer.

▲ ▲ ▲

SMALL WATER TANKS are better for winter use. They are more easily insulated and require less fuel in the tank heater.

▲ ▲ ▲

FARM EXPENSES during the early part of the year will be forgotten by income tax time unless you keep a farm record book.

▲ ▲ ▲

LOW-QUALITY CATTLE usually bring best prices in the spring months; cattle of high quality and finish usually bring best prices in the summer months.

▲ ▲ ▲

DRY CLEANING is always recommended for electric motors. Once a year, at least, you should wipe out any gum you can get to, and then use air pressure to blow out the dirt and dust.

▲ ▲ ▲

IT ISN'T SAFE to operate a gas engine or motor even for a little while in a tightly-closed shop or garage. You can't see or smell carbon monoxide gas. A small amount will make you dizzy and drowsy, and you may be unable to save yourself.

▲ ▲ ▲

YELLOW PATCHES in soybeans were cleaned up by spraying with ferrous sulphate in Iowa experiments last year. The application was at the rate of 10 pounds per acre as a spray in a 1 per cent solution. Yellowing was observed mostly on high-lime (alkali) spots.

▲ ▲ ▲

IN PLANNING crop rotations, remember that sod land often will yield from 15 to 25 bushels more corn per acre than second-year corn. If you plan your crops so that corn is always on sod land, you can reduce the corn acreage 10 to 15 per cent without reducing your total corn crop.

EGGS KEEP BEST where the temperature is from 45 to 55 degrees and the air is moist. Caves or basements are most likely to meet these conditions.

▲ ▲ ▲

OLD PASTURES offer the biggest opportunities for crop increases. Reworking a sod-bound, brushy blue grass pasture will more than double the yield.

▲ ▲ ▲

BIRDSFOOT TREFOIL is a pasture legume that will grow on soils too poor or too acid for sweet clover or alfalfa. It starts slowly, but does well with blue grass, timothy or orchard grass.

▲ ▲ ▲

OATS IN ROWS 14 inches apart yielded as much as closer-rowed or broadcast oats in an Iowa State College experiment. The advantage claimed for this method of sowing oats is that legume stands are not smothered on rich land.

▲ ▲ ▲

OUTSIDE CORN can still be moved to shelter and be made eligible for loans or purchase agreements. The last date for the loans or purchase agreements is June 30, but the corn would need to be moved before spring rains and warm weather come.

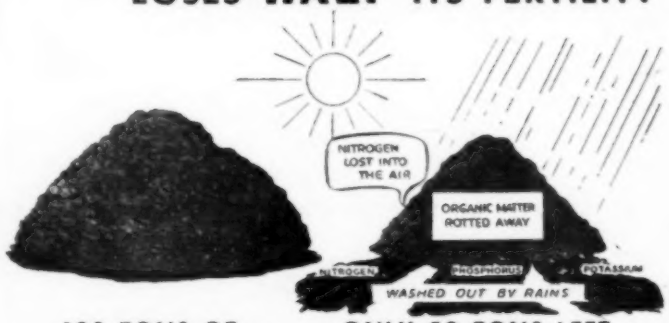
▲ ▲ ▲

CORN COBS are not waste material. Ground cobs make a good bed for livestock and poultry. When they finally do absorb moisture, the cobs can be spread on the fields, carrying both plant food and organic matter. That's two uses they can be put to on livestock farms.

▲ ▲ ▲

IT MIGHT PAY to keep raising some Marion oats, so the seed will be available if needed. Clinton oats yield better than Marion. But Marion oats have resistance to both helminthosporium disease and crown rust. Clinton oats resist helminthosporium but are susceptible to crown rust. If crown rust should strike Clinton oats, you might want to raise Marion until new varieties resistant to both attacks are available.

MANURE EXPOSED TO WEATHER LOSES HALF ITS FERTILITY



100 TONS OF FRESH MANURE WORTH $300

ONLY 50 TONS LEFT A FEW MONTHS LATER

$150 LOST

FERTILITY IS LOST when manure is left outside thru late winter and spring weather. The nitrogen escapes into the air. All three plant foods—nitrogen, phosphorus and potash, are partly washed away. The Illinois College of Agriculture says the loss is one-half, as shown above. Most of the loss can be saved if manure is kept under a roof or hauled to fields each week. Large amounts of straw mixed with the manure will help check the waste.

HOW AMINO-BUILT

Kellogg's EGG MASH HELPS YOU GET EXTRA EGGS

WHAT IS IT?

It's a *new* kind of controlled-protein feed! Poultry raisers everywhere have been getting wonderful results with it. And no wonder! We're making Kellogg's Egg Mash the way the hen's egg-making machinery *wants it!*

Your hens are fussy about proteins. They don't take the protein out of the feed and put a shell around it. No sir. They take each protein apart. Then they put the pieces together in their own way to build eggs. If any vital pieces are missing, they up and quit. After all, a hen can't lay *part* of an egg.

Some proteins just don't supply all the vital units. We've found a way to make certain that Kellogg's Egg Mash *does*. We measure these units — which science calls amino acids—in each protein ingredient. Then we put them together in just the right proportion to give you Kellogg's Amino-Built Egg Mash . . . a feed built to promote the highest possible egg production!

WHAT DOES IT DO?

Kellogg's Amino-Built Egg Mash makes it easier for your hens to lay *more* eggs. It helps prevent feed waste. It helps keep your hens in good laying condition longer. Here's why:

Kellogg's Amino-Built Egg Mash supplies *all* of the 10 vital amino acids your birds need—plus other useful amino acids. These nutrients are present in an *easily absorbed* form.

That means your hens have *less work to do.* They don't need to stuff themselves in an effort to balance their ration. They don't have to cut production to meet a vital amino acid shortage. They save energy, too — energy for more eggs, because the amino acids in Kellogg's Egg Mash are about the same as in the egg itself!

The chart below tells this dramatic story — a story that can help you make bigger egg profits than ever before!

WHY IS IT BETTER?

Now you can buy an egg mash that supplies *known, reliable, uniform* amounts of the 10 vital amino acids.

Other egg mashes may vary in performance from month to month. But Kellogg's Amino-Built Egg Mash will give you the *same* dependable vital 10 units today, tomorrow and everyday. Yet Kellogg's Egg Mash will cost you no more than many other feeds which do not give you this assurance.

In addition, Kellogg's Egg Mash furnishes essential vitamins and minerals that your hens need for top production month after month.

From now on when you want egg mash — get Kellogg's Amino-Built Egg Mash! See if it doesn't do a better job than any other egg mash of the same protein level. See if your hens don't lay *more* eggs . . . keep laying *longer* . . . and give you *bigger* net profits. Call your nearest Kellogg feed dealer today!

Why Your Hens Need All of These Vital 10 Amino Acids

(At 70% Production for 100 Days)

Amino Acid	Units In The Eggs That a Hen Lays	Units In The KELLOGG'S EGG MASH That A Layer Eats	Amino Acid	Units In The Eggs That a Hen Lays	Units In The KELLOGG'S EGG MASH That A Layer Eats
1. Arginine	.462	2.448	6. Methionine	.217	.408
2. Histidine	.210	.918	7. Phenylalinine	.441	1.63
3. Isoleucine	.378	1.734	8. Threonine	.378	1.407
4. Leucine	.651	2.835	9. Tryptophane	.140	.489
5. Lycine	.574	2.142	10. Valine	.511	2.08

PREVENT "AMINO HUNGER"

Without all 10 of these vital amino acids, in adequate amounts, your hens cannot thrive and lay. You avoid the costly, but often unnoticed effects of "amino hunger" when you feed Kellogg's Amino-Built Egg Mash. Change to Kellogg's today!

KELLOGG COMPANY

FEED DIVISION OMAHA, NEBRASKA BATTLE CREEK, MICH.

Average Milk Check Cut 20% by MASTITIS!

J. C. MARLOW

Mastitis (garget) reduces the total annual milk production of the nation by 20%. And every year it causes replacement of an estimated 15% of the dairy cows. That's a bill you can't afford to pay.

One of the common causes of mastitis is improper milking which injures teats and udders. Dairy experts say that injuries which lead to mastitis are caused by harsh milker action, milk left "overtime" in udders, creeping teat cups, and high vacuum applied after milk ceases to flow.

The modern MARLOW MILKER is especially designed to be easier on udders. Its perfected low vacuum and gentle, softer massaging action get full cow co-operation for faster milking and higher production. It milks dry without stripping, and the sight-glass window in the claw tells you at a glance when the cow is finished. But most important, MARLOW MILKER teat cups do not crawl up and injure teats and udders when milk ceases to flow. *They stay down.*

What Do MARLOW Users Say About MASTITIS?

L. N. Christenson, Mgr., Hazeltine Farms, Excelsior, Minn. "We milk 28 registered Holstein-Friesian cows with three MARLOW units. We had trouble with mastitis before installing the MARLOWS, but have had none since."

Virgil F. Albert, Mgr., Nashotah Mission House Farm, Nashotah, Wisconsin. "The MARLOW MILKER has helped us clear up our severe mastitis condition. When we put in the MARLOWS, we had only four cows with sound udders, and only one with even fair quality. Now, four months later . . . we have had three consecutive bacteria counts of 100, and our veterinary rated all udders good."

Elmer Johnson, Eagle Bend, Minn. "In 18 years using a different type machine, I sold three fine herds of 25 dairy cows due to mastitis. Have had no trouble since I started using a MARLOW."

S. E. Jones, Herdsman, Yankton State Hospital, So. Dak. "We milk 85-100 cows daily using all kinds of help; but even so we don't have the trouble with swollen quarters (mastitis) that we had before installing the MARLOWS. Every morning we had from one to six cows to milk by hand. We have no swollen quarters. I believe MARLOW MILKERS deserve all the credit for this because we haven't made any other changes."

Lind Bros., Viroqua, Wis. "Many of our registered Ayrshires got mastitis with our other machines. Since using the MARLOW mastitis has disappeared."

FULLY GUARANTEED! The new, modern MARLOW MILKER is fully guaranteed. See your dealer for complete information

After 40 years experience raising purebred dairy cattle and selling and servicing milking machines, J. C. Marlow developed a milker employing low vacuum and a combination of features which eliminate the major cause of mastitis. Write for more information on how the MARLOW can give you higher production and healthier cows.

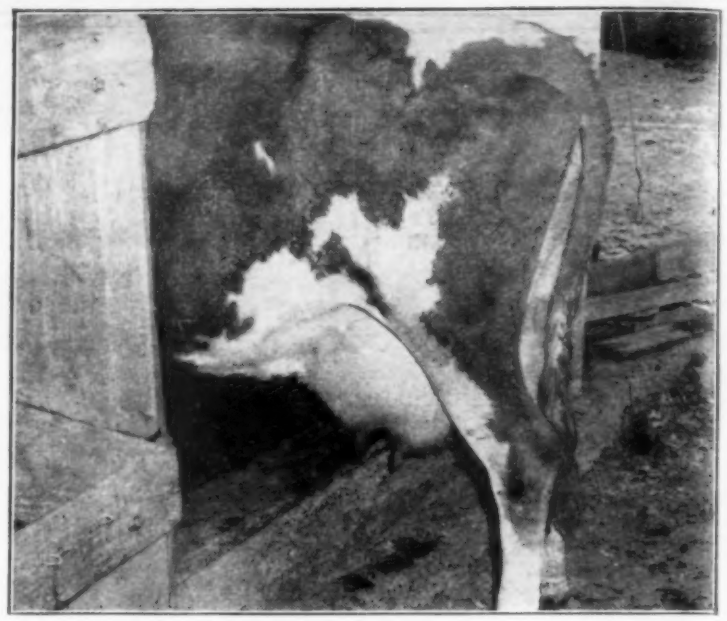
START YOUR OWN BUSINESS! If you know cows and would like to join an organization that is growing rapidly, write us giving full details on your qualifications. We prefer to work with men trained in dairying who can appreciate the fact that the name MARLOW is going down in history for the greatest contribution of all time to the dairy industry.

J. C. MARLOW MILKING MACHINE CO.
DEPT. I, MANKATO, MINNESOTA

READ—"FORTY YEARS A MILKER MAN"

Please send me FREE the story "40 Years A Milker Man."
I am a Dairyman ☐ I would like to sell Marlow Milkers ☐
PLEASE PRINT
Name _____
Address _____

MARLOW MILKER
Definitely Easiest on Udders!



Bad Step at entrance to the cow barn means bruised udders and possible mastitis. So does a stall that isn't the right size.

Mastitis Losses Can Be Stopped

Better Yards, Buildings and Equipment, Plus Cleanliness and Proper Milking, Are Answers

IF YOU are an average dairy cow owner, mastitis costs you plenty of milk. The loss comes from cows that have to be sold, and from decreased milk production.

Culling records of Iowa dairy herd improvement associations show that 3.5 per cent of all cows are sold each year because of mastitis.

Loss from lowered milk production of diseased cows remaining in herds is even greater. Dr. K. W. Stouder, of Iowa State College, says mastitis will cut milk production 10 to 20 per cent.

Most of this loss from mastitis can be prevented, Stouder says. He recommends four steps in mastitis prevention. They are being explained to dairymen in 37 "Better Milking Clinics" which are being held in Iowa this winter.

Mastitis preventives are: Proper herd management; properly managed milking; sanitation and the cleanliness of the barns, cows and milking, and proper care, adjustment and operation of milking machines.

Proper herd management will prevent a cow from injuring her udder or catching a cold in it.

Stouder says to start preventing mastitis in the barnyard. A deep mudhole is dangerous. The best producing cows have big udders, and the big udder is the one most likely to become scratched or bruised when it is dragged thru the mudhole.

A high threshold at the barn entrance is also hazardous. Extremely deep gutters, slippery floors and projecting nails, beams or irons injure many udders.

Stalls of improper size are contributors to the spread of mastitis. When stalls are too long, cows lie in filth, exposing teats to bacteria.

If stalls are too short, the cows stand in the gutter with their teats dragging on the dirty floor. When a cow lies down, her udder is draped over the sharp edge of the platform with plenty of weight on top of it.

Narrow stalls without partitions bring the problem of one cow lying down and another stepping on her udder or teats.

Stouder says that the length and width of stalls may be the factor that really causes mastitis in an otherwise well-managed dairy program. He recommends stalls be four feet wide for Holsteins, three feet wide for Jerseys and other small cows, and somewhere in between for Guernseys and other medium-sized breeds.

Preventing colds in udders is important, too. Plenty of bedding, changing it often, and keeping it free from dampness, is the best way to prevent udder colds, Stouder says.

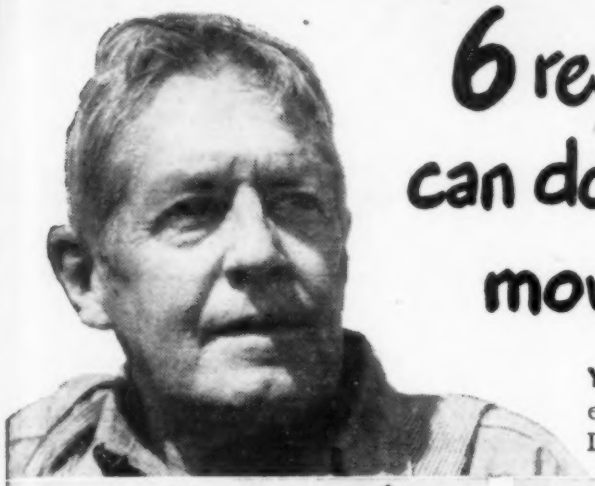
Managed milking means preparing a cow for milking, milking her completely in a short time, and preventing injury to udders while milking, according to Floyd Arnold, extension dairyman.

Milk fast, because slow milking is likely to leave some milk in the upper part of the udder. This provides a breeding place for bacteria.

Follow a regular milking routine. Changes often upset cows so that they don't milk easily. This may result in incomplete milking and growth of bacteria.

Sanitation can not be overlooked, either, if mastitis is to be prevented. Before milking, wash udders with a weak solution of chlorine. That will kill bacteria before they have a chance to enter the udder thru the natural teat openings.

Dip the hands and teats into the chlorine solution after milking each cow. This will prevent carrying infected milk to another cow. Use a strip-cup to help detect mastitic cows. Then milk infected cows last, to prevent the spread of mastitis.

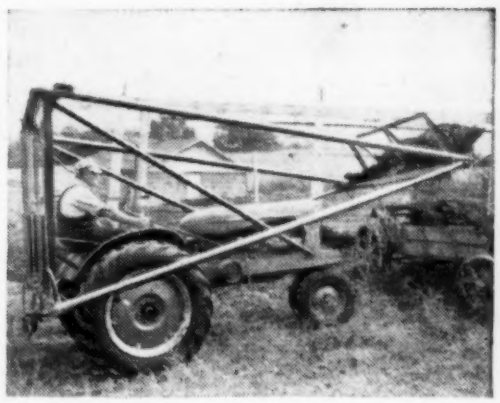


6 reasons why FARMHAND can do every lifting, loading and moving job on your farm!

YOU'VE GOT SIX of the finest working tools a farmer ever had . . . when you outfit your FARMHAND Hydraulic Loader with these versatile attachments. Just look!

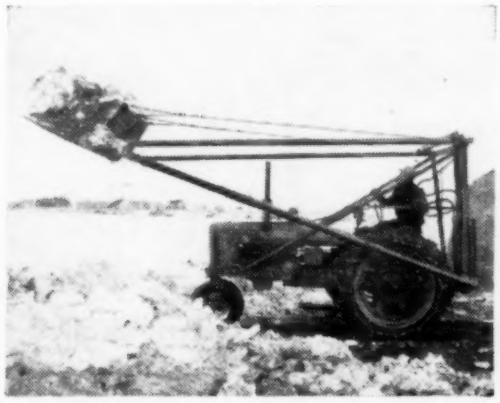
1. HAY BASKET AND PUSH-OFF. This team of great performers saves you up to $3.50 per ton in haying . . . with only one man at the controls! Sweep up the windrows 15 to 20 acres a day with that roomy basket . . . carry a half-ton of hay at a time to the stack . . . build your stacks high with the Push-Off that extends your FARMHAND's famous reach to an amazing 27 feet!

2. FORAGE FORK. Your heavy-duty tool for every conceivable tough job . . . from breaking frozen stacks to moving bulky machinery and outbuildings! Use it to hoist rocks, pull fence posts and well rods, load bales and boxes, carry lumber, pipe, logs. Great hard-steel teeth lift and move enormous loads . . . up to 3,000 lbs. The all-around FARMHAND tool every farmer needs.

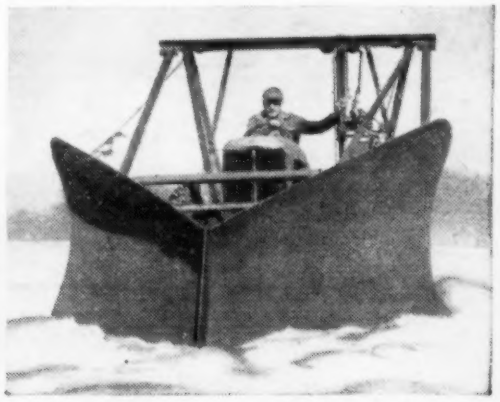


3. MANURE FORK. Digs into those hard-packed piles and rips loose 1,000 lb. loads in one bite. Handles with "Wrist-Action" leverage motion, rocking load loose from pile before you start to lift, thus saving strain on tractor and wheels. Loads up to 27 spreaders per hour with precision control, dumping whole forkfuls exactly where you want them, gently, evenly, with no damage to equipment.

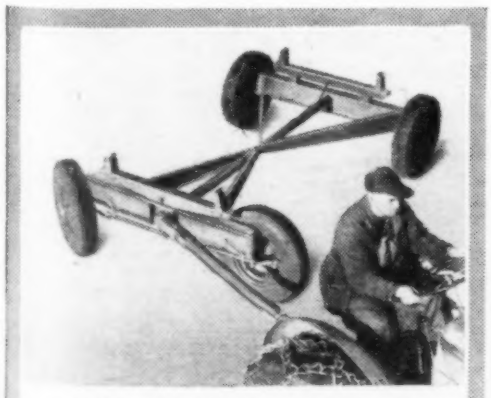
4. SAND AND GRAVEL PLATE. Slips on the Manure Fork in a jiffy for lifting and moving big loads of sand, gravel, earth and other loose materials. Ideal for construction work, road repair and filling gullies or building dams. All FARMHAND Attachments are beautifully balanced and engineered for their jobs, solidly built of finest materials for long, trouble-free service.



5. SNOW SCOOP. Lifts up to 33 cubic feet of snow, chopped hay, silage, ear corn or grain. Helps you clear yards and feed lots quickly and easily, because it doesn't just push the snow around, it picks up big loads, piles them high and out of the way! Glides under load on its own runners, saving wear on edges and bottom, preventing tipping when you back up.



6. V-PLOW. The newest FARMHAND Loader Attachment, and a lifesaver where you've got big plowing jobs to do. Fits on the Loader in a hurry, bucks through the drifts with FARMHAND Hydraulic power to lift and move it over obstructions. More of these specialized FARMHAND attachments are soon coming to speed work, save money for you!



TURNS ON A DIME! Another "first" from the FARMHAND Folks, this wonderful FARMHAND "90" Wagon actually makes full 90° angle turns with full 4-point support under load . . . and without tilting, skidding or backing up! Ask your FARMHAND Dealer to prove it to you . . . and to show you all the other exciting new features packed into this great wagon by the company that makes good ideas *work!*

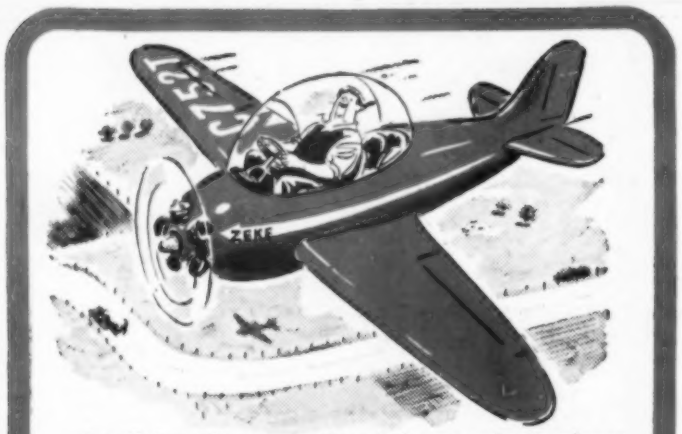
EASY TO CHANGE ATTACHMENTS! Switch them in a hurry by removing only 4 securing pins . . . keep your FARMHAND Loader working with the right tool for the job.

WRITE TODAY *for more information about the FARMHAND Hydraulic Loader and Attachments . . . or see your nearest FARMHAND Dealer for a convincing demonstration.*

Farmhand HYDRAULIC LOADER

designed by a farmer, built for farmers by

SUPERIOR SEPARATOR COMPANY, HOPKINS, MINNESOTA • Farm Machinery Specialists



Sez Zeke: "I'm up in the air in my private plane; I make lots of money—with BLENN on my grain"!

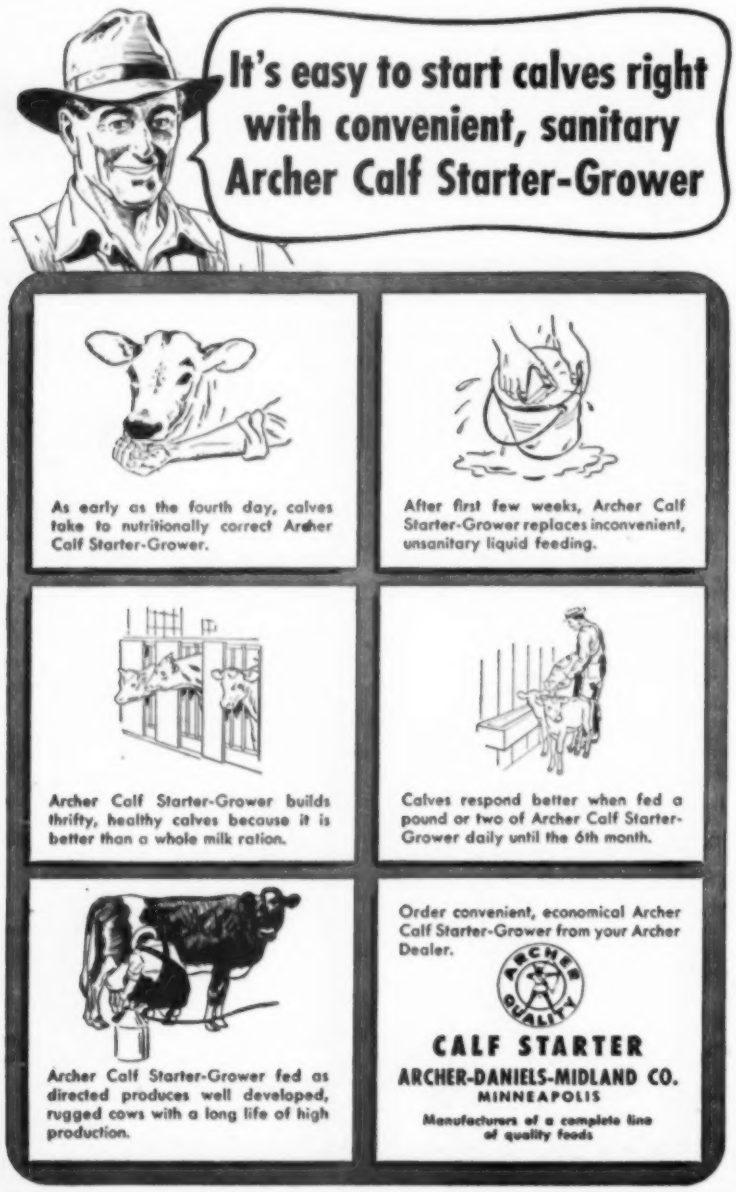
Blenn
Swift's
Specialized Crop Maker

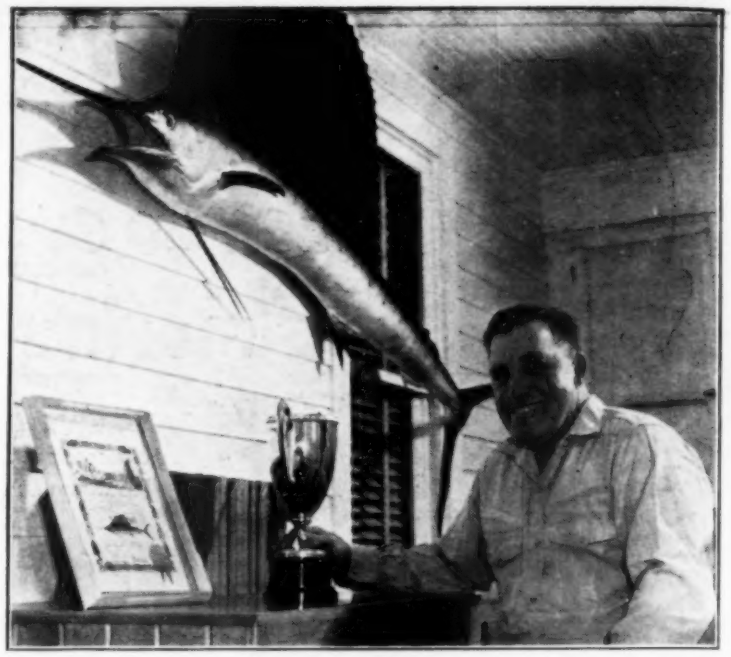
Zeke's head is often up in the clouds. But down-to-earth practical farmers know that, like Zeke, they too can make more money using BLENN, *Swift's specialized crop maker*. It is specially formulated to help grow higher-yielding corn and other grain crops. BLENN furnishes a balanced combination of growth elements to your crops. Fed with BLENN, they come up richly green and sturdy—grow uniformly—pay off with *extra* yields, quality and dollars.

Use BLENN and see the difference in a faster-starting crop . . . in steadier growth . . . in bigger ears or heads filled with plumper kernels. For higher-than-average yields, feed your corn and other grain crops BLENN this year. Get your supply of BLENN now from your Authorized Swift Agent.

Buy at the sign of the RED STEER

SWIFT & COMPANY





It Took an Iowa farmer—Louis Culver, of Harrison county—to show the experts how to catch sailfish. Louis landed this 70-pounder off the Florida coast last winter, got the cup when his fish turned out to be the season's biggest. "I never saw him work so hard, sweat so much, at pitching hay or anything else," says Mrs. Culver.

Voice of the Farm

"No Clover Since World War I"

To the Editor: I see in a recent issue where a reader from Sac county, Iowa, thinks that tenants should put up bonds. She must have had her farm given to her, and I bet she hasn't bought a bushel of clover seed since before World War I. — Harry Denney, Cass County, Iowa.

Farm must be about worn out.—Editor.

Litters Average Nearly 18 Pigs

To the Editor: The following news item from Norway may be of interest to you. In translation, it reads:

A sow at Inderoy, in Tronderlag, has in a short time brought 88 pigs into the world. The sow is two and one-half years old. In the first litter she had 14. She had 15 the second time and then 20, 18 and 21.

One can't say that this sow was idle.—C. S. Carlson, Rice County, Minnesota.

Must be an Iowa sow that somehow got overseas.—Editor.

Says Farm Buying Takes Money

To the Editor: To "Reader, Sac county, Iowa" (VF, Dec. 18), I'd like to say: You sound definitely like a land-owner. Many of us do not buy land because we do not have that much money.

The reasons for not having money to buy with are plentiful. Maybe we had poor parents who left us no money. Perhaps our well-to-do parents haven't passed away as yet. Could be we've only been married a few years, and financial status hasn't improved with the birth of each of several children. Or it just might be we aren't the grasping, money-squeezing kind — not born managers. Perhaps times frighten us.

I've lived on several rented farms: we've never yet been asked to leave a farm. Still, each farm's buildings slowly go downhill and become more rickety each year. For one reason, the land-owners refuse to furnish materials with which to keep the buildings up. We can only do our best with the soil itself.

I know very few tenants who are dishonest and go about wrecking places. That's foolishness!—Reader, Too, Jones County, Iowa.

It takes more than desire to buy a farm these days.—Editor.

Enjoyed Hearing "Uncle Henry"

To the Editor: I've retired after farming 41 years, but still keep a cow, 300 pullets and laying hens, and a few hogs.

As a boy or young man, I enjoyed listening to "Uncle Henry" Wallace, when he spoke at farm gatherings. I wrote down many of his sayings then.

Old Jim Pierce and his Iowa Homestead were also much enjoyed. I liked both, even tho these two men were often far apart in their views.—Sander Sessler, Butler County, Iowa.

We are always glad to hear from old subscribers.—Editor.

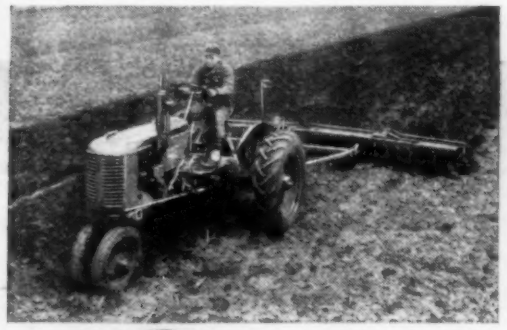
He's Been Reader For 60 Years

To the Editor: I read about some of your old-time readers. I have been a reader of Wallaces' Farmer and Iowa Homestead for over 60 years. Both have been good reading. My father was among the first subscribers to both papers.—J. H. Wallingford, Van Buren County, Iowa.

We hope you'll keep right on reading for many more years.—Editor.

Plowing two full furrows is customary with the Case "VAC" tractor in average soils—one furrow in tough soils. It is shown here with the famous Case Centennial plow. There are also power-controlled, rear-mounted plows for the "VAC," built in two-bottom, one-bottom, and two-way models.

Single-disking 15 feet, or lapping half as shown here, goes along non-stop with the "VAC" and the wide-cut Case "PC" power-control harrow that angles and straightens on-the-go, crosses sod strips and grassed waterways without cutting, leaves headlands level, saves time and soil.



A hundred buttons a minute, 25 acres a day, is practical planting speed for the "VAC" tractor teamed with Case No. 45 precision planter. High-speed boot valves give good cross-check and closely bunched hills. Quick-Dodge steering of the "VAC" makes clean cultivation fast and easy.

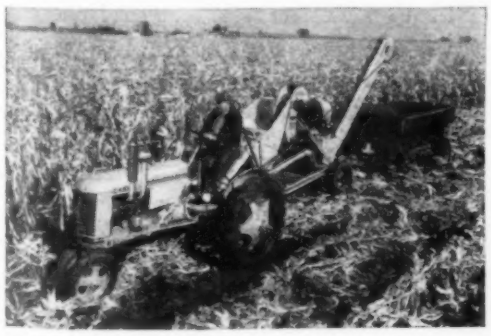
LOW-COST CASE TRACTOR

Gets Work Done Fast Clear Around the Calendar

Eager power of the "VAC" and rubber-tired speed of the Case low-wheel grain drill hustle grain, grass seed and fertilizer into extra acres of ground. Seedmeter accuracy saves seed, brings more uniform stands. The full-swinging, self-locking drawbar makes short turns easy with full load.

Power to Hustle Harvest. The new 5-foot "F-2" Case combine and the "VAC" tractor make a brilliant team, each able to use the capacity of the other. Wide range of practical gear speeds gets full capacity in light or heavy crops of grains, beans, grasses—either standing or windrowed.

Haying Goes Along Fast when you hitch the "VAC" to a Case 7-foot Trailer-Mower, the Case tractor side-rake shown here, and finally the famous Case Slicer-Baler that most any farmer can afford. The fuel-saving fourth gear of the "VAC" is just right for light field work and for safe highway hauling.



Sure-footed traction of the "VAC" is a big help when harvesting corn. The "lugging ability" of its Case-built engine pulls steadily when throttled down, goes through tight spots without gear shifting. Shown here is the simple, light-pulling Case Model "P" one-row picker.

20 Great CASE Tractors

● This popular-priced, light 2-plow "VAC" is just one among four sizes and twenty models. Whatever your acreage or crop system, Case builds a size and type of tractor to fit your farming. All have extra ENDURANCE for long hours of steady work, long years with little expense for upkeep. All are built to get full capacity from implements, make the most of every man-hour, help you get high yields at low total cost. * * See your Case dealer for full information. Ask how soon he will show the Wisconsin Centennial feature film "Pageant of Progress." Write for the latest tractor catalog. Mention size tractor you should have, also anything you need in plows and harrows; planters and grain drills; Slicer-Baler, rake or mower; combine or forage harvester; corn binder or picker; spreader or hammer mill. Address Dept. A-80 J. I. Case Co., Racine, Wis.

IT COSTS LESS TO FARM WITH . . .

CASE . . . .

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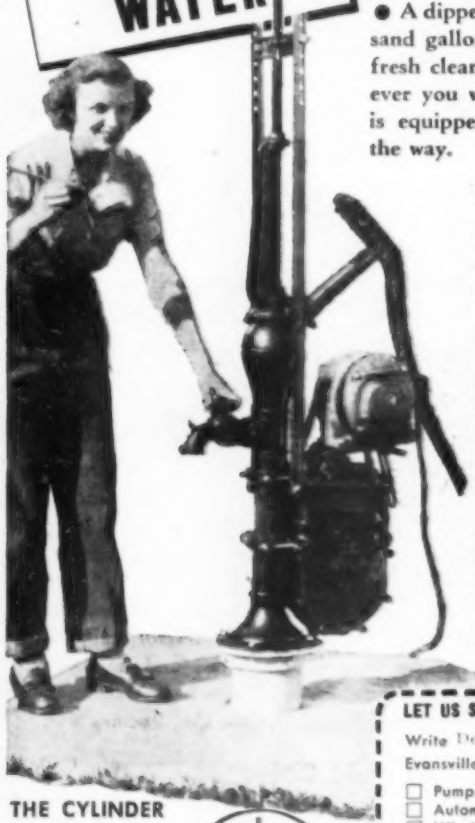

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Lard And Butter Lose Ground

Competition From Lower-Cost Vegetable Oils Is Changing Fats and Oils Picture

Both butter and lard are up against stiff competition from vegetable oils. In this article, Francis Kutish, Iowa State College economist, discusses the fats and oils situation. Then he analyzes market prospects for Iowa farm products.

IOWA hog raisers no longer will make as much money raising heavy, lardy hogs as they once did. And Iowa dairymen will have to find more ways to market their milk than thru butter alone.

Two big forces lie behind this shifting fats and oils picture: The growing output of lower-cost vegetable oils, and development of synthetic oils.

Lard has been slipping for several years. Until recently, it's quality hasn't kept pace with more uniform vegetable shortenings. So lard lost ground with housewives.

Lard prices have dropped, too. American farmers produce more lard than they can normally sell in this country. But more fats and oils can be produced from an acre of land used for growing vegetable oils than from an acre of corn fed to hogs. So lard has to sell at lower prices to meet the competition in the export market these days.

This doesn't completely rule out lard-type hogs or carrying hogs to heavier weights when lard prices are good. But the over-all position of lard has weakened.

Butter also is feeling more competition from lower-cost vegetable oils. An acre of copra on a Pacific island will produce 2,880 pounds of coconut oil; an acre of soybeans in the United States close to 200 pounds of soybean oil.

But an acre of U. S. land devoted to dairying will produce only 52 pounds of butterfat. And one acre will grow only about 51 pounds of lard (plus about 190 pounds of pork, of course).

Lower cost vegetable oils mean cheaper oleomargarine. And margarine makers have improved the quality. So butter no longer enjoys the premium it once did.

Synthetics are cutting in, too. Detergents, mostly made from petroleum oils, are cutting [illegible] the soap market. Synthetic [illegible] are replacing drying oils in paints.

So more two-way oils are being driven into food uses. This means still more competition for butter and lard.

What will markets for farm products do in the next few months? Here's the outlook by commodities:

HOGS: Farmers plan to raise 51 to 57 million pigs this spring. This is short of the 60 million asked by the USDA, means a favorable outlook for hog prices next fall. Even so, early marketings will pay best. Pushing 1948 fall pigs for February or early March sale looks sound, too. The 10 per cent increase in last fall's pig crop will show up in March and again in late spring. Result: An earlier than usual spring drop in hog prices.

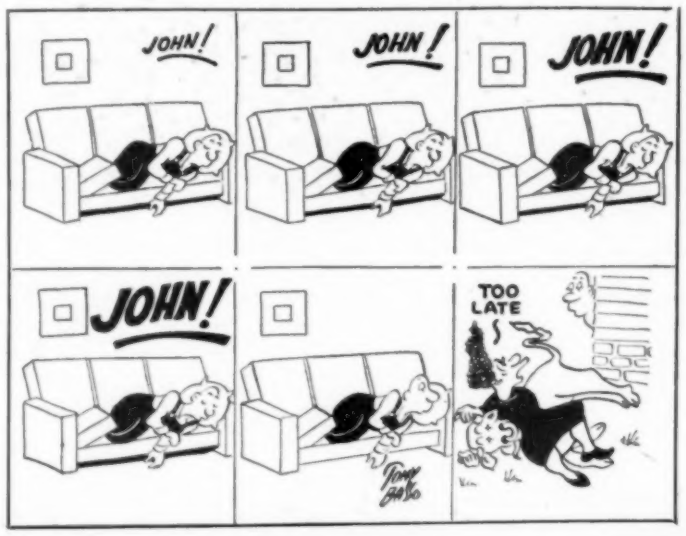
CATTLE Probably will follow normal seasonal patterns. Upper grades will be in a seasonally weak position for the next few months. Lower grades will be seasonally strong.

LAMBS: Market supplies will continue below last year, with the greatest drop in late winter.

SOYBEANS: Not likely to regain their December high level, tho they probably will recover some of the recent loss. Latest report boosted the 1948 crop estimate by about 10 million bushels. This is a price-weakening force.

GRAINS: Corn will be in strong hands by spring, probably will approach loan levels. Prices usually rise more than seasonally following a large crop.

POULTRY: Demand is up, so order chicks now, to be sure of delivery when you want them. Order enough pullets to fill your laying house next fall—but don't make any big boost unless you can handle very early chicks. There will be more eggs next winter, so prices won't be as good. Your own situation will determine whether raising chickens for meat will pay. Poultry meat will be cheaper next summer, but feed costs will be down, too.



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Here's a tractor that can handle a really tough plowing job and bring new speed and efficiency to other kinds of heavy field work. It's a tractor that will please you with the quality of its work and surprise you with its economy.

All this is the result of more than 40 years of Ford power farming experience, designing, building and operating tractors. You'll see this experience reflected in advanced engineering, features unmatched in other tractors, quality construction and, above all, in *all 'round performance.*

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All of this adds up to the fact that you can keep a Ford Tractor busy for many extra hours in a year . . . hours when it's saving you time and drudgery, instead of sitting in the shed. You'll see the difference in the greater amount of work that can be done and in the way this tractor can be used to improve farms and increase earning power. Ask your nearby Ford Tractor dealer all about all the ways *you* can use a Ford Tractor, *all year 'round.*

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How Bob Faint of Iowa builds champions...

Bob Faint of Hi View Farms with his Grand Champion barrow and award at the 1948 Iowa State Fair.

Winner feeds KRAYLETS— 80% milk products*—for a firm, smooth market finish!

"The results speak for themselves—we fitted our hogs for the shows on Kraylets," says Bob Faint, Manager of the Hi View Farms where 450 purebred Berkshires are raised every year. Besides the Grand Champion Barrow over all breeds, the Hi View Farms had the Grand Champion pen of all breeds, the reserve Grand Champion Berkshire sow and the Senior Champion Berkshire boar at the 1948 Iowa State Fair.

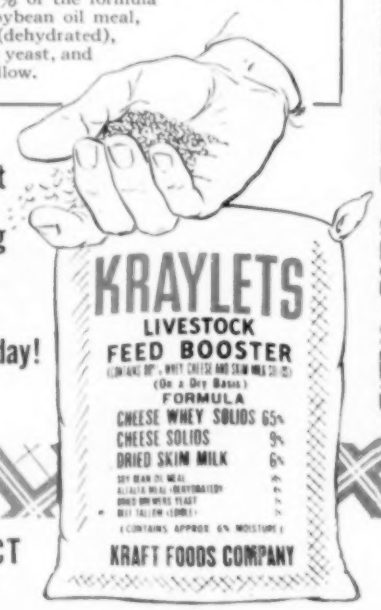
Kraylets pays in thrifty gains at every stage! Economical, convenient, great appetite appeal!

Kraylets is the easy, economical way to feed valuable milk products. It's 80% milk products in handy dry kernel form—no water or waste! Highly concentrated, feed only ¼ lb. per hog each day. Helps promote fast, thrifty gains, vigorous health, earlier market weight and a firm market finish that buyers look for! Saves grain—helps produce more pork for every ton of feed!

*Kraylets contains 80% concentrated milk products!

The milk products in Kraylets are cheese whey solids, cheese solids and dried skim milk. The remaining 20% of the formula consists of soybean oil meal, alfalfa meal (dehydrated), dried brewers yeast, and edible beef tallow.

Find out about profit-boosting Kraylets from your dealer, today!



A KRAFT PRODUCT

Truman Says "Keep Price Supports"

But Does He Favor Flat 90 Per Cent Price Supports Or Flexible Supports?

WASHINGTON, D. C.—Where does President Truman stand on a revised farm program? Does he want 90 per cent of parity supports or the flexible kind?

Nobody can tell yet. One guess is that Truman is leaving the details of his farm program open in the hope that farm groups can work out better agreements than are now evident.

The president said that price supports should be used to do three things:

1. Prevent farm price declines which are out of line with other prices.
2. Help adjust farm production to consumer demands.
3. Promote good use of land.

Farm Bureau and Grange leaders thought this added up to a backing of flexible supports. Others weren't so sure.

One farm leader, commenting on the president's speech, thought it might mean that:

1. Price supports might have a stop-loss bottom of 75 per cent of parity. Make supports flexible above that point.

2. Adjust farm production by raising supports on crops and livestock in short supply; lower supports on crops and livestock with surpluses.

3. Shift price supports to encourage farmers to get out of wheat, cotton, etc., into grass and livestock.

Actually, nobody will know for sure what the administration program is until Secretary Brannan goes before the congressional committees on farm legislation.

One thing the president made clear was that a successful farm program involves more than price supports.

He continued to plug for programs aimed at helping low-income groups eat better. He said such a program would help keep farmers prosperous by providing them a bigger market.

While the president did not say what such a program should be, it is known that the government has been studying consumer subsidy programs. These might be patterned after the pre-war food stamp plan, and might provide an expansion of the present school lunch program.

President says price supports should "prevent price declines," "facilitate adjustment," "promote good land use."

Farmers will have more storage space for crops. President Truman was clear and emphatic about restoring to the Commodity Credit Corporation the power to provide such storage.

Nothing was said, however, about a super-ever-normal granary to house a billion bushels of corn and 600 million bushels of wheat.

Such a proposal may come out later when Secretary Brannan goes before the agricultural committees of congress.

What about price ceilings? The president renewed his request for standby authority to put ceilings on prices of scarce commodities which affect the cost of living.

This request revived the question as to whether ceilings would be put on any farm products. Agriculture department officials repeated earlier predictions that no ceilings would be proposed for farm products under existing conditions.

If war or drouth comes along, ceilings might be restored. But nobody expects any ceilings on farm products now.

Part of the Truman program for agriculture is tied up with the Truman program for city workers. One point is an expansion of the Social Security system.

Millions not now covered by old-age benefits may be brought into the system. Unemployment benefits would be increased. Workers would contribute more from their pay for such benefits.

Such protection, says the administration, would benefit workers, industry and agriculture. In periods of lay-offs, workers still would have some income. They could still buy a good deal of food. The market for farm products therefore, would be stronger than if more people had to go to soup kitchens.

Grange Master Goss says that price supports which "facilitate adjustments in production" must be flexible.

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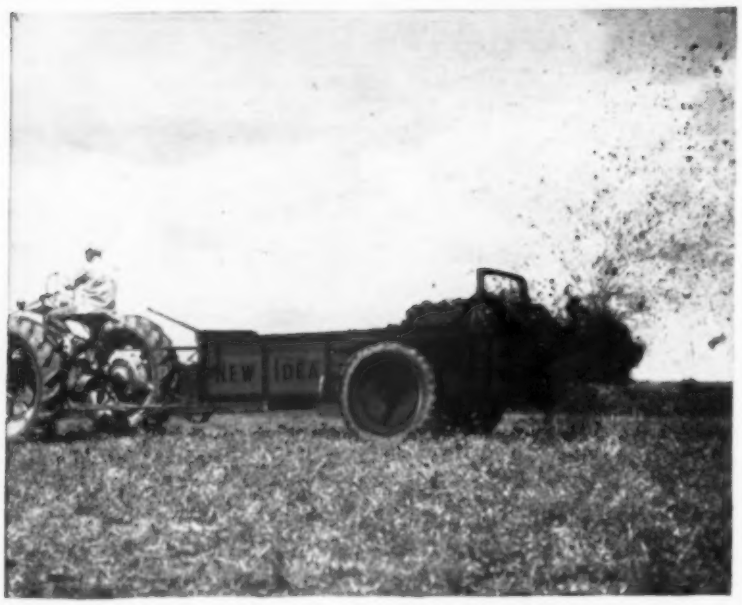

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NEW IDEA FARM EQUIPMENT

When To Spray For Borers In 1949

Rules Changed But Slightly From Last Year; Suggest August Spraying For Second Brood

SURVEYS and field counts show that more corn borers are wintering in Iowa than ever before in history. Last fall, damage from borers was noticed in more fields than ever before, too.

On the other hand, the European corn borer faces a bigger battle than ever this spring. Iowa farmers are getting ready to really work him over.

Following a nation-wide conference of entomologists, Dr. H. M. Harris, state entomologist, has announced the 1949 recommendations for corn borer control in Iowa.

When should corn be treated for best control?

Harris says to treat for first-brood borers when there are 50 or more egg masses per 100 plants and when the corn is 35 inches or more tall. Last year, the recommendation was the same, except to treat when the corn was only 20 inches tall.

(Many farmers, mindful of 1948 damage in fields that had a low egg mass count, will wonder about this. These men intend to spray even if the egg mass count doesn't get to 50 per 100 stalks. Experts point out, however, that 1948 was unusual in that the hatch strung out for many weeks.)

Explaining the 35-inch suggestion, Harris said that corn borers have a high death rate in smaller corn, and that tiny borers don't enter the stalks before the corn is about 35 inches tall.

Should any further applications be made?

Harris says: "Yes, under some conditions." If egg masses continue to be found at the rate of 50 or more per 100 plants, and the weather is favorable for growth of corn, treat again seven to ten days after the first application is made.

Will it be necessary to treat second-brood borers?

Sometimes treatment for second-brood borers will be profitable. If you have 100 egg masses per 100 plants, in late-planted corn, then treat.

Since this treatment usually comes in August, it demands airplane or high-clearance ground equipment.

What materials should be used?

There are several. DDT can be applied either as a spray or a dust. If you spray, apply 1¼ to 1½ pounds of actual DDT per acre; as a dust, use 1½ to 1¾ pounds.

Ryania, in spray or dust form, gives effective control, but may not be available in the huge amounts required. Parathion is recommended on an experimental basis.

Don't try to use these chemicals for corn borer control: Benzene, hexachloride, chlordane, chlorinated camphene, methoxychlor, DDD and, of course, weed killers like 2,4-D.

What kind of equipment is best for corn borer control?

Harris says farmer-owned, low-pressure sprayers and custom aircraft sprayers and dusters are generally available, and do a good job. If available, ground dusters and high-pressure ground sprayers do good work, too.

What parts of the corn plant especially need to be sprayed?

For first-brood borers, try to get most of the spray on the upper parts of the plant. Try to get it concentrated in the leaf axils and whorl. (That's where the leaves join the stalk, and where the tassel will eventually be.)

It is important to prevent DDT and the newer chemicals from drifting into forage crops in blossom and into ponds and streams. There is danger of killing pollinating insects and fish.

Harris also urged farmers to learn how to recognize corn borer egg masses. No matter what counts are reported from the state-wide survey system, you will have to count your own field and decide when it will pay you to spray.

"Darned if I know where they get 'em!"

"I LANDED BROKE, NOW THIS IS MINE!...GOD BLESS AMERICA!"

He came to this country with nothing. Now he owns many acres of rich productive land worth thousands of dollars.

"What's so unusual about that?", you may ask. "There are lots of folks right in our neighborhood who started from scratch and became prosperous farmers!"

Oh! But it *is* unusual. It's so unusual that the idea is in danger. Ask most any man who comes from abroad today. Ask why he left. He fled slavery. He fled a land of "isms" where a government controlled his life, his very thinking, where he was told what to do and where there was no hope of calling anything his own.

There are those who would have this "ism" thinking take the place of our free American *incentive* plan—the very plan that has made America great. They would substitute slavery for a plan where every American, for his type of work, has the highest standard of living in the world. They would take away your right to dream and work and own.

It is the *incentive* system that has built America's fine farms—and the great businesses that serve you. Cargill is such a business. No political power makes anyone deal with us. We have to work for your business—perfecting better and more economical methods of handling grain—developing better seed-strains for you to grow—building better feeds for your livestock and poultry.

You benefit, we benefit, everyone benefits under our free American incentive plan. Let's keep it that way. Let's protect the greatest plan on earth from the distorted "ism" thinkers. Let's keep on saying, "God Bless America!"

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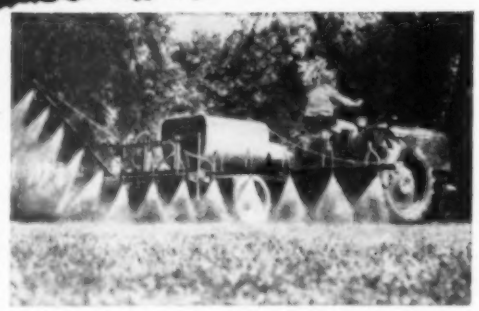

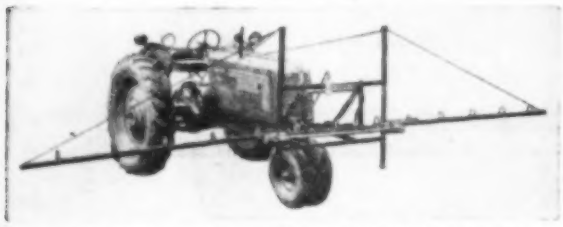

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A COMPLETE LINE OF POWER AND HAND SPRAYERS AND DUSTERS

She Thinks there will be less left over at the close of 1949 after expenses are paid. Mrs. Pat Adamson, of Greene county, Iowa.

What Farm Folks Expect...

Not much decline in prices they will have to pay. Some drop in net income from the farm.

That's how Iowa farm people view 1949, as shown by several hundred interviews, made on the farm by the Wallace-Homestead Poll.

Prize comment was from a young woman living in Clayton county:

"We may not have as much cash left over in 1949, but we will have a lot of new farm and home equipment that will make life on the farm much more pleasant."

How Will You Make Out In 1949?

Some Farmers Think That Their Net Income May Not Be As Good As It Was Last Year

HOW do you size up 1949? If you're like the average Iowa farm family, you expect:

1. Prices of things you buy to stay about the same.
2. Your own margin over expenses to go down a little.

Several hundred farm people—making up a representative cross-section of Iowa's farmers, were interviewed by the Wallace-Homestead Poll.

Farmers have always known that the war boom would ease off sometime. They aren't especially shocked to think 1949 may be the year.

On prices of things farmers buy, men are more hopeful than are women. Almost one-third of the men think maybe prices will come down. If they're thinking of hay and grain, they may be right.

But the women, thinking of buttons and bows and such, are pretty sure that the things they buy aren't likely to go down. Only 20 per cent of the women, as against 33 per cent of the men, look for a decline in prices of goods farmers buy.

Young farmers are more hopeful than older ones on this point. Renters — perhaps because they are younger—are more optimistic than owners on prices of things farmers buy.

On net farm income in 1949, 40 per cent think it will be as good or better than 1948. And 44 per cent think 1949 will be worse than 1948.

Here, too, it makes a lot of difference how old you are. Folks under 30 vote 20 per cent that 1949 will be better than 1948. Only 10 per cent of the older farmers can see it that way.

Only 26 per cent of the younger people think income is going down. But 47 per cent of the older people expect a drop.

Here are some comments made by the farm people interviewed to show why they voted as they did on these questions:

"I think prices of the goods we buy will go down in time, but not as soon as the prices of the things we sell."—Farmer, Union County.

"It depends on whether we get into war. Everything will go up sure if a war comes."—Renter's Wife, Tama County.

"So long as supply does not equal the demand, prices are bound to stay up. Since it will take at least another year to catch up on supply, prices will probably stay about where they are."—Farmer, Audubon County.

"Whenever city people talk about high prices, the first thing they think about is meat. There are lots of things to eat that are

PAY MORE OR LESS?

THE WALLACE-HOMESTEAD POLL ASKED:

"What do you think will happen to the prices of the things you buy during the next 12 months or year? Do you think they will go up or down or stay about where they are?"

1. Will go up.....11 pct.	**3. Stay about the same....54 pct.**
2. Will go down.....26 pct.	**4. Undecided ..... 9 pct.**

"Do you think you'll have as much left over in 1949, after you pay expenses, as you have in 1948?"

1. More in '49 than '48.....11 pct.	**3. Less in '49 than '48.....44 pct.**
2. About the same.....29 pct.	**4. Undecided .....16 pct.**

He's Hopeful about the coming year, thinks that profits may hold up. Norman H. Andrew, of Greene county.

plentiful besides meat. Until we can raise more meat, why don't they eat something else in place of it, and quit belly-aching?"—Woman, Audubon County.

"Things we have to sell will go down. With wages rising, things we buy are bound to go up."—Farmer, Appanoose County.

"Things we have to sell are apt to break in price at any time, and what we buy still stay plenty high—like it was before. Farm stuff always goes down first."—Woman, Johnson County.

"I expect to make less in 1949 than in 1948, because the prices of the things I buy will stay up, but the prices of my farm products will go down."—Farmer, Clayton County.

"If I could get the stuff I want to fix the farm up with, I'd have less left over in 1949 than in 1948."—Farmer, Clayton County.

"We will have more left in 1949. Now we have debts, but we won't have any by the end of 1949."—Farm Woman, Adair County.

"I had nothing left over in 1948, and won't have anything in 1949. I live on a poor farm and have things the hard way."—Woman Cherokee County.

"It all depends on prices and crops. If we get as good a crop as in 1948, and as good a price, we'll have just as good a year."—Woman, Union County.

Fewer Acres Might Grow More Corn

You can't afford to raise less grass and legumes than will give you the highest grain output, say Iowa State College specialists. They figure this way:

Suppose a 100-acre farm averages 30 bushels of grain per acre. That's 3,000 bushels. But suppose, by putting 10 acres each year into forage crops, the yield can be boosted to 35 bushels. That makes 3,150 bushels on only 90 acres.

If another 10 acres of forage in the rotation would add another five bushels to grain yields, then 3,200 bushels will be produced on just 80 acres. In other words, better treatment of your land can also be good for your pocketbook.

But there are other factors that also need to be considered in planning rotations, say the specialists. They include soil fertility and erosion problems; the amount of forage needed for livestock; the price of forage crops as compared with the price of grain crops.

Farm Service Bulletin

1 MORE MILK FROM PASTURE—USDA experiments show how you can (1) produce extra milk per acre, (2) save labor and harvesting costs in feed production, (3) reduce the need for high-priced purchased feeds, and (4) get better grazing in the Spring and Fall. Renovation, crop-and-pasture rotation, liming and fertilizing, and rotational grazing will do the trick for you.

2 NEW TYPE EGG IS STRONGER, RICHER—By selective poultry breeding the USDA has developed: (1) Shells 30-40% stronger, (2) thick-egg-white content 68%, and (3) eggs stay fresh for 2 weeks at 100° F.

3 HEAT AND CORROSION RESISTANT MOTOR OIL.—Cities Service Premium TROJAN Motor Oil fights engine injury caused by heat and acidic corrosion. Also resists formation of harmful sludge and varnish in engines. Your Cities Service Representative has it.

CITIES SERVICE
QUALITY PETROLEUM PRODUCTS
Accessories for the farm

4 LABOR-SAVING FARM KITCHEN—This handy set-up, with vegetable bins in front, sink at left, knife rack at right, and garbage hatch in the counter, is a new step-saving farm kitchen planned by USDA. Your local carpenter can build it.

5 FARM-TESTED GREASES—Tractors and other machines will work better and last longer with Cities Service Trojan Greases. These lubricants withstand all-weather heavy duty operations. There is a grade and type for every farm need. Get Trojan greases from your Cities Service Farm Representative.

PUT RUNNING WATER ON THE *Party Line*

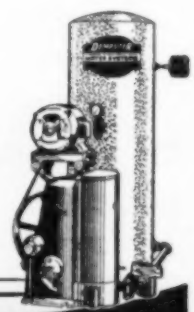
DEMPSTER WATER SUPPLY EQUIPMENT

AMERICA'S *Complete* LINE

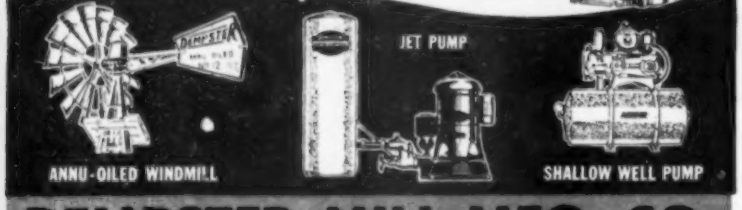
Farming is more profitable...farm living is more comfortable...after you install your Dempster Water System. Running water follows the "party line" all over the house, to every corner of the farm.

A Dempster System will supply all the low-cost running water you need for scores of everyday chores. There's a Dempster dealer near you . . . let him help you plan the *right* Dempster Water System for your needs.

WRITE FOR FREE ILLUSTRATED BOOKLET.



DEEP WELL PUMP



DEMPSTER MILL MFG. CO.
617 South 6th Street Beatrice, Nebr.

SAVE WORK AND BOOST YOUR YIELDS

New COATS CORN STALK SHREDDER

This advanced Coats Corn Stalk Shredder will give you bigger crops, and save work, too. Shreds old stalks with one trip through the field. Saves one trip on spring discing. Shredded stalks build up the soil **faster.** You get **bigger** yields. Pulverizes old stalks . . . leaves no place for corn borer worms to hibernate.

LOOK AT THESE EXCLUSIVE FEATURES!

Shredder box enclosed on three sides. Checks dust and debris. ● Wider hoppers get more between the rows. ● Easily adjusts from tractor seat. ● Available with swinging hammers or edged knives. ● Famous Coats replaceable spindles. ● Wheels equipped with Timken bearings. ● Quality construction throughout. See what this great Shredder can do for YOU. WRITE for free illustrated circular TODAY!

COATS LOADERS & STACKERS, INC.
DEPT. D, FORT DODGE, IOWA
"Known for Dependable Equipment"

OUTSIDE STUFF

THIS is the time of the year I always remember my grandfather saying: "When the days begin to lengthen, the cold begins to strengthen." Now is the time choring pays dividends.

• • •

ONE of my fellow editors, Lee Thompson, is a South Dakota product, and doesn't mind Iowa's winter winds. He's used to the kind of wind that blows hay-racks across the yard and smashes them against the hog fence.

"Each farmer always keeps a post handy," he says. "And when he parks his hay-rack he slides the post thru the hind wheels of the wagon. Otherwise, the outfit would often get blown away."

• • •

DO YOU know of any unused horse barns that have been remodeled into hog houses, chicken houses or feed buildings? I'd like to hear about them if you do.

• • •

A GOOD soil testing laboratory, like the one Ed Stout runs in Clinton county, Iowa, does a lot more than tell how many pounds of fertilizer you need per acre. I think Iowa needs more like it; there's a report on the Clinton lab on page 32.

• • •

DUDLEY Chittenden, landscape architect for the Iowa Highway Commission, mentioned something the other day that surprised me. Almost 2 per cent of Iowa's land is in road right-of-way. Roads of all kinds take land just about equal to two counties the size of Hamilton county.

• • •

THERE is certainly room to produce a lot of weed seeds in an area that big. By the way, how was the weed seed crop along your roads this past year?

• • •

I GUESS I'm a little silly. But you know when I read Don Murphy's hog production forecast on page 5 of our January 1 issue, I got a big thrill out of the hog-raising job you did back in 1943.

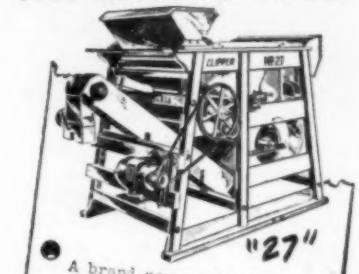
• • •

I CAN'T imagine how Iowa hog lots looked when you raised more than 15 million hogs. But I can remember the sight of 12 or 14 hundred pounds of ham baking for one meal in big mess hall ovens. It seems like we'd pour off about a barrel of grease—and how that crust did stick to those —*** [illegible]—black pans!—W. D. Inman.

"They weren't satisfied with a radio—it was television or no milk."

MAKE THAT EXTRA PROFIT!

with CLIPPER Seed Cleaners & Treater



"27"

A brand-new seed cleaner with big capacity, big industrial cleaning features, and new low cost! Nationally acclaimed by big farm operators and certified seedsmen for its production capacity and selective separation!

TREATER

Treat seed the professional way--right on your own farm at little or no cost! Automatic, requiring no power, the Rocker Treater prevents crop disease faster, better than ever before possible, for a bigger, more profitable crop yield!

An old time favorite now better than ever, the famous 2B Special meets all smaller farm seed cleaning requirements! Easy, inexpensive and versatile! Step up your profits the Clipper way--Now!

Thousands of other farmers have been amazed at the actual dollars and cents difference Clipper machines make! Assuring a bigger, healthier crop yield next season and every season, Clipper Farm Models enable you to cut processing costs and pocket the profits! Seeing is believing-see them for yourself at your nearest dealer's! Take the first step today! For details on how you can increase your crop yield 25%—plus, get your copy of the new Helpful Hints! Jam-packed with profitable, experience-proven facts, this manual shows you how to quickly and economically clean and treat your own seed right on your own farm! Write for your Free copy TODAY!

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SINCE 1869
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98% PURE CROP—90% GERMINATION

RED CLOVER

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Special Lot Leader, with some crop seed. Also have Mammoth and Certified Midland Red Clover. Alsike $20.85. Sweet $8.90. Alsike and Timothy mixed $10.35. 166 grades and varieties of farm seeds. Alta Fescue, Reed Canary, Brome. New Oat varieties, etc. Hybrid Corn $4.75 bu. Big Savings and Satisfactory Quality GUARANTEED. FREE Catalog and Samples. Write today for best values.

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Every part for every G.I. type vehicle from jeep to 20-ton prime mover 6x6. 40% to 80% below list.

COMPLETE STOCK OF PARTS FOR STANDARD M-2 CONVENTIONAL CARS AND TRUCKS

New - used - rebuilt Truck operators, dealers, garagemen, learn about amazing low prices.

SEND FOR FREE CATALOG

NORTHWESTERN AUTO PARTS CO.
834 NORTH SEVENTH STREET-MINNEAPOLIS, MINN.

Jim Murphy Says:

FEBRUARY and March are critical months. It is then that livestock show the results of winter confinement and incomplete rations. This is the time when serious and costly breakdowns are most likely to occur. Are your feeds good enough to avoid these breakdowns? A good way to *make sure* that your livestock rations are properly balanced with essential protein, mineral and vitamin substances is to use . . .

Murphy's Cut-Cost Concentrate

Murphy's bolsters up and fortifies farm rations with an extra supply of the essential protein, mineral and vitamin substances, and helps prevent feedlot troubles and breakdowns that so often cost you money at this time of the year. Murphy's Cut-Cost Concentrate is economical to use, for you utilize the grain on your own farm and add only a small amount of Cut-Cost Concentrate to it. But this small amount does a big job in helping to avoid winter breakdowns, in helping your farm animals keep in good health, put on weight fast and bring you increased production. So why take all this risk when Murphy's Cut-Cost Concentrate will help you feed for best year-'round results?

PROFIT IS BIGGER WITH MURPHY'S

I use Murphy's Cut-Cost Concentrate and Murphy's Minerals for my cows and hogs, and the hogs put on faster gains and have a better finish than with other feeds I used before. My hogs used to eat the boards on the fence, but they don't do it any more since I started to use Murphy's.

JOHN J. DOLL, JR.
RFD No. 1, Hartford, Wis.

See your Murphy Feed Dealer, or for FREE booklet on feeding livestock for more profits write to Dept. F-19

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SAVE TIME, WORK, MONEY!

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PLOW

CULTIVATE

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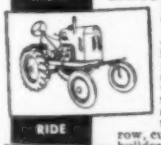

RIDE

These rugged walking or riding tractors ideal for farm, truck garden, orchard, poultry farm. Operate on a few cents an hour. A child can handle them.

DO DOZENS OF JOBS — The Shaw Du-All or Peppy-Pal does many jobs quickly and easily. Plows, cultivates, harrows, disks, bulldozes, sprays, hauls, grinds, and saws wood.

BUILT FOR RUGGED WORK—Sturdy, extra-strength construction means low upkeep, long life. Year's guarantee.

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Buy direct or through your dealer! Almost anyone who owns a garden can afford a Shaw Du-All or Peppy Pal. Mass production holds prices down—quality up.

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4 models, from 5 to 12½ H.P., 48 in. wheelbase, 36 in. wide, 24 in. plant clearance. Hand or electric starter. Improved steering device, brakes enclosed in differential housing shaft. Heavier frame and bearings. Standard hitch for trailers and wagons. Plow, harrow, cultivator, cutter bar, snow plow, bulldozer available.

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Dependable varieties for all corn growing sections. Benton, Clinton, Minlo Oats. Red Clover, Alfalfa, Sweet Clover, Hubam. Dealers wanted. 1949 catalog free.

JOSLIN SEED FARMS, HOLSTEIN, IOWA

Entire body of this calf is covered with lesions caused by hyperkeratosis, or "X-disease." Dr. Paul C. Bennett, Iowa State College, examines infected calf.

Is "X-Disease" New Here?

YOU'RE hearing more about hyperkeratosis, or "X-disease," of cattle.

But is this really a new disease or something that has been here for a long time?

Some veterinarians who have seen the cases reported recently in Iowa say they have seen animals off and on for 20 years with symptoms that seem to be the same as those which accompany hyperkeratosis.

At any rate, veterinarians now can recognize the disease, and cases of it are being reported. Dr. Paul C. Bennett, head diagnostician at the veterinary laboratory at Iowa State College, reports five calves in Jasper county, Iowa, were found to be infected.

In Wayne county, Iowa, two others have been found with the disease.

George H. Mueller, a Dallas county, Iowa, farmer, writes that he has had animals infected with "X-disease."

Doctor Bennett says the disease does not strike often; but when it does death comes in about 90 to 95 per cent of the cases.

He says that while there is no known cure for the disease, there is little cause for alarm, because the number of cases reported so far have been so few.

It is a good idea to call a veterinarian and have him make a positive diagnosis if you think that the disease is present in your herd.

"X-disease" seems to be found most often in the beef breeds. Calves are most apt to get the disease.

First noticeable symptom is a watery discharge from the eyes. Doctor Bennett says this discharge slows down after a while, and almost stops in two weeks. Then masses of tiny scabs, or scurf, appear. These look like mange or fungus.

Next, the animal loses its appetite. It will lose condition and become stiff, and will finally die of starvation.

Since it is sometimes hard to tell hyperkeratosis from mange or fungus, scrapings should be taken from the animal's skin and analyzed in the laboratory.

FLAX YIELDS JUMP 45%!

Improve more than those of any small grain!

A huge winter wheat crop is in the soil . . . malting barley is bringing only $1.58 and oats . . . 80¢.

These are facts that northwest farmers must face as they plan next year's crops. And Flax, already pegged at not less than 90% of parity, promises again to be *the northwest's big money maker.* Farmers should therefore seriously consider increasing their Flax acreage.

Here is its record. For five straight years yields have constantly improved. In 1946, 1947 and 1948, Flax yields improved more than those of any small grain raised in this area.

One of the essentials of raising good Flax is sowing good seed. If you want facts about new high-yielding varieties that can increase Flax yields 2, 3 or 4 bushels an acre, mail coupon below. *Mail it today while good seed is still available.*

MAIL THIS COUPON FOR FREE FLAX YIELD DATA

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Please send your leaflet showing yield data from State Agricultural Experiment Stations.

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PATENTED. Handy lever in operator's reach adjusts or 'sets' tilt of fork to any desired position.

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BEING FIRST, we were able to originate and protect the many basic, common sense construction features which make The Caswell Hydraulic Power Loader so simple and safe to operate —so easy to mount and unmount. New ideas and improvements have been added each year to keep it in front—the loader that leads in efficiency, convenience and economy.

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The Caswell single hydraulic master cylinder with crossed lifting chains gives tremendous, balanced lifting power. No twisting strain on frame. Low head room. No excess weight.

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YES, $2.50 FOR YOUR CORN

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CORN-BOOSTER PLAN

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Takes 12 bu. to make 100 lbs. pork at..... $1.25 PER BU.

CORN SUPPLEMENTED with MINERAL MEAL

6 bu. corn make 100 lbs. pork. Thus, corn is worth twice as much—or ..... $2.50 PER BU.

But be sure you use the genuine Sargent Minral Meal . . . that wonderful ready-mixed blend of many vitamins, many minerals, many proteins, tailor-made to really boost your corn value. Ask your dealer, or write for the money-making facts.

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Monmouth, Ill. Fremont, Nebr.
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Legislature Faces Three Problems

What To Do About Farm Roads, Schools And Surplus Discussed By New Iowa Governor

THE 1949 Iowa legislature, to be in session for the next three months, got under way smoothly by inaugurating the new governor and recognizing that it faces solution of three old major problems.

Gov. William S. Beardsley, 47, New Virginia druggist and farmer, said to be the first Iowa governor elected while actually living on a farm, talked about the three recurring problems in his inaugural address.

These problems—state surplus, state aid for schools and faster road construction—were discussed also by retiring Gov. Robert D. Blue in his biennial message, delivered before the inaugural.

Both have been legislators, so each recognized that final policy on the three matters of most concern is entirely up to decision by the 50 senators and 108 representatives. There was this difference between them, noticeable in their speeches:

Blue looked back upon the start toward substantial state aid for local schools and the 13 million dollars a year the 1947 legislature appropriated. Beardsley made a campaign for state aid of at least a fourth of local school costs, or about 22½ million dollars a year, and now has renewed his support.

Since his election, Beardsley has sat in on the budget hearings for state departments and institutions, and worked with Comptroller Ray E. Johnson on budget recommendations to the legislature.

Beardsley also is a member of the legislative road study committee, created by the 1947 legislature, to make recommendations for a 15 to 20-year future program for faster construction of all types of roads.

Hence, with his leadership of the campaign for state aid for local schools amounting to a fourth of the annual cost, he is unusually familiar with the three big legislative problems.

The treasury balance of expendable funds as the legislature met was approximately 75 million dollars. Since the treasury needs a working balance of about 25 million dollars, there is a 50-million-dollar surplus to be used for other purposes than those to which the money is committed.

Increasing state aid for schools from the 13 million a year appropriated in 1947 to 22½ million a year asked in 1949 would take 19 million of the surplus in the next two years.

But the state departments, the Board of Education and Board of Control institutions submitted requests for appropriations totaling $143,099,716 per year, or $63,713,979 per year more than the total amount appropriated by the 1947 legislature.

So more state aid for schools and increased appropriations for state departments and institutions will collide when the surplus problem is tackled.

Even before that point is reached, the proposal to pay part of the 85-million-dollar soldiers' bonus from surplus, and avoid a property tax to retire bonds and pay interest, will get a hearing.

That will make contention for the surplus a three-way matter.

The road study committee's recommendation for adding 14 million dollars a year to present available funds of 74 million a year for the next 20 years, to complete construction of Iowa's primary and secondary roads, does not directly look to surplus for any of the new money.

It does recommend, however, that $8,465,000 a year of the needed 14 million come from road use taxes now being paid but not being used for roads.

This revenue now goes into the general fund. Its transfer to road funds would take away that much a year, which has been helping build up the surplus.

A Century old January 1 was Wisconsin Agriculturist and Farmer. University of Wisconsin and the state itself also are 100 years old. Celebrating the centennial event with a toast (of milk) and a cake (of cheese) are, from left: University senior Mariel Kolb, Governor Oscar Rennebohm, and Cy Moffitt, editor of the farm paper.

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Just what you have been asking for!

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Send us your check or money order at the prices listed below (they are the same as in our 1948-1949 catalog on which you had to pay express charges). Now your fish will be shipped to you **WITH THE EXPRESS CHARGES TO YOUR NEAREST EXPRESS STATION, PAID BY US.** This offer is good for a limited time only, so take advantage of this great saving in both money and trouble.

All orders for 50 lbs. or more are packed in insulated wooden boxes, with DRY ICE.

WE GUARANTEE our fish to arrive in excellent condition.

Prices per pound, express prepaid on 50 lb. lots or over

Dressed and Headless

Rockfish (Red Cod) 22c
Red Salmon 46c
Flounders 24c
Halibut 41c
Black Cod (Sable Fish) 29c
Haddock 29c
Northern Pike (Pickerel) 25c

Dressed Fish—Heads On

Walleyed Pike 37c
Lake Superior Trout 55c
Bluefin Herring 15c

Scaled, Dressed and Headless, Ready for the Pan

Walleyed Pike 46c
Ocean Pike 24c
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Fillets (Boned and Scaled)

5 lb. Pkgs. . . . Cello Wrapped

Walleyed Pike 67c
Northern Pike 42c
Bluefin Herring 33c

Ready to Eat Smoked Fish

5 or 10 lb. Cartons

Smoked Whites 45c
Smoked Herring 30c
Smoked Salmon 70c
Smoked Black Cod 60c
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20 lbs. Pickerel $17.75

60 lb. Box All Cleaned, Headless, Dressed Fish:

20 lbs. Bullheads
20 lbs. Ocean Pike
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All other items listed below are 1½c a lb. less on a 50 lb. box of one variety; 1c less on a 100 lb. box.

Silver Herring, round, large, per lb. 10c
Pike, Walleye, dressed 32c
Pike, scaled, dressed, headless, small 30c
Pickerel, headless, dressed 22c
Bullheads, blood red, full dressed 30c
Northern Pike, boneless, cello wrapped in 10 lb. waxed cartons, 50 lbs. $14.00

Ocean Pike, scaled, dressed, headless, 30 lbs., **$5.40**; Salmon, headless, dressed, per lb., **39c**; Halibut, headless, dressed, **35c**; Steak Cod, headless, dressed, **22c**; Carp, round, **8c**; Carp, headless, dressed, **14c**; Sheep Heads, **13c**; Black Cod, headless, dressed, **28c**; Flounders, headless, dressed, **24c**; Catfish, headless, dressed, **35c**. Shrimp, 5 lb. box, **$3.00**. Fresh Oysters, gallon, **$8.90**. Boneless fish, in 10 lb. cello wrapped cartons: Ocean Perch, **$3.00**; Ocean Pike, **$2.80**; Northern Pike, **$3.00**; Cod, **$3.00**; Haddock, **$3.50**. A 10 lb. box, smoked Whitefish, **$3.50**. Chubs, **$3.00**. Chunk sashe, **$4.50**; Chunk Trout **$4.50**; Fat Bluefins, **$2.20**. Salted, flat lake Herring, 100 lb. keg, **$18.00**, 50 lb. keg, **$9.50**. Guaranteed quality since 1899.

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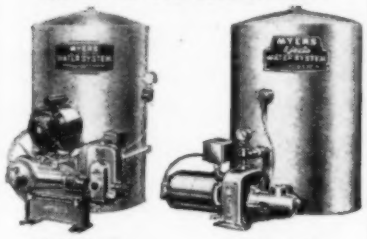

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TWO types of *Ejectos*, capacities up to 4300 gph.

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☐ Hand Pumps ☐ Hay Unloading Tools

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TOWN_____ STATE_____
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HEARTBURN?

Acid taste in mouth? That awful gassy feeling? Then—try a switch to POSTUM!

For the latest scientific facts reveal that, in many persons, caffein in both coffee and tea *tends to produce harmful stomach acidity*, as well as *nervousness*, and *sleepless nights!* While many people can drink coffee or tea without ill-effect, *many others can't.*

So if you suffer heartburn, indigestion, sleeplessness, make this test: *give up coffee—give up tea—drink* POSTUM *exclusively for 30 days—judge by results!* Remember, POSTUM contains no caffein or other drug—nothing that can possibly cause indigestion, nervousness, sleeplessness! Ask your grocer today for INSTANT POSTUM — A Vigorous Drink made from Healthful Wheat and Bran.

CHAMPION PORTABLE MILL
For Sale or Lease

This 100 H.P. machine has extra large capacity on fine or coarse grinding. Quick delivery, new or rebuilt units with ground level automatic feeder. Will lease complete unit to reliable men without investment or expense. Buy later if desired.

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SWANSON VACC-OMATIC
TRIGGER-TYPE VACCINATING GUN
Syringe fills to 40 cc. Sets to any size dosage. Insert needle, pull trigger, and move to next animal. Operates with one hand. Save cost on one small herd. $13.95 prepaid if money with order. Money back if not satisfied

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"Fells Trees and Saws Largest Logs FAST!"

Only SAWMOBILE offers complete one-man portable power saw at amazingly LOW PRICE! All-steel and sturdy — gets into tight places easily.

$169.50 with 5 ft. Blade & Engine

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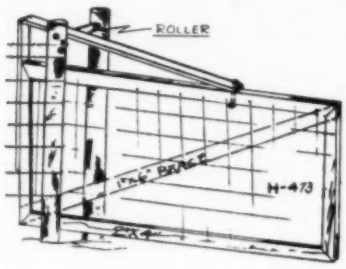
PATENTS Write for information on what steps an inventor should take to secure a patent.
Patrick D. Beavers, 982 Columbian Bldg., Wash. 1, D. C.

HANDI-HINTS

Snow Can't Block This Gate

If snow-drifts get in your way when you open your gates, maybe this gate is the answer. When pushed back to open, it lifts out

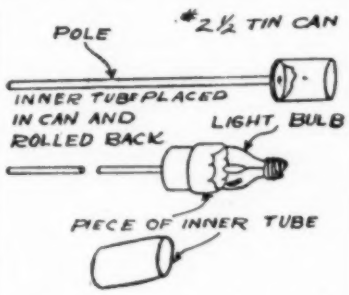


of the snow and drops back when closed.

The frame of the gate is 2x4's with a 1x6 brace. The roller is a short piece of ¾-inch pipe on a ½-inch bolt or rod lubricated with cup-grease.

Change Light Bulbs Without Climbing

It's easy to replace light bulbs in those out-of-the-way sockets with this gadget. Fasten an ordinary Size 2½ can to the end of a long wooden pole or 2x2. Cut a

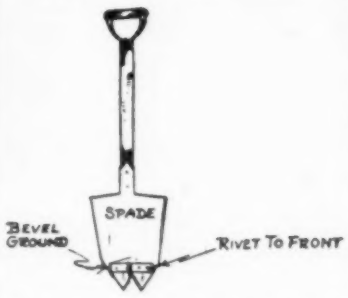


piece of inner tube about twice the length of the can.

You place one end of the inner tube piece inside the can and roll the extra length back over the outside of the can. The rubber gives sufficient grip for loosening and replacing the bulb. For smaller bulbs, slip extra sections of the tube inside the can. For bigger bulbs, use a bigger can.

Cutter Will Handle Packed Hay

Here is a hay cutter that can save you work. It's simple to make, too. Take an old spade, and rivet two new sickle sections to

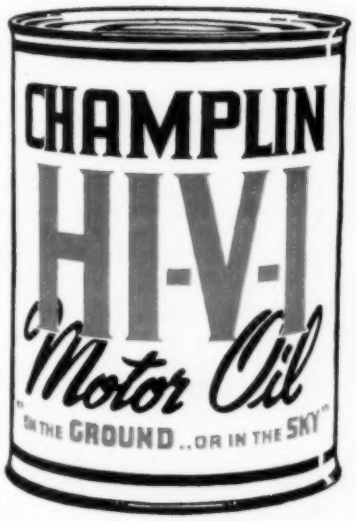


the lower edge as shown. Bevel the rest of the spade to a sharp edge.

You step on the spade and it cuts down about a foot easily in the hardest packed hay or straw.

COLD January weather—

HI-V-I FLOWS FREELY!



Silence the cold "whoosh" of January winds with the comforting sound of a motor that turns over instantly. HI-V-I bathes car and tractor motors in a protective film of lubrication. It cleans as it lubricates, freeing motors of corrosion and sludge. This cuts fuel consumption to a new low . . . keeps motors ready for the "go" signal on the coldest January days.

For faster starts and better lubrication in zero weather, use HI-V-I, the free-flowing oil.

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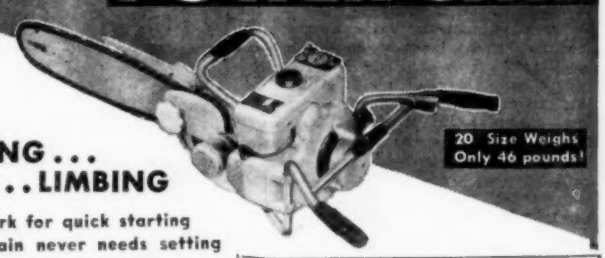
CHAMPLIN REFINING COMPANY
Enid, Oklahoma
Producers, Refiners, Distributors of Quality Petroleum Products Since 1916

USE CHAMPLIN OILS

McCulloch POWER SAW



Makes quick work of BUCKING . . . FELLING . . . LIMBING

- Superhot spark for quick starting
- Rip-Cross chain never needs setting
- Specially designed 5-hp engine

Light and handy enough to be easily carried in where the woods are thickest. Instantly detachable handle . . . one or two man operation . . . automatic clutch . . . chain stops when idling . . . rewind starter . . . full swivel blade . . . are a few of the many features.

Now . . . at these low prices:
20" chain saw..... $389.00
36" chain saw..... 399.00
48" chain saw..... 414.00
18" bow saw..... 429.00
Prices F.O.B. St. Paul

Write for circular

POWER TOOLS, Inc. 1959 University Avenue, St. Paul 4, Minn.

FEEDING FACTS 'by the "Old Timer"

John Haberkorn, President of Viking Laboratories, Inc., is known far and wide as "The Old Timer."

Enjoyed my trip to International—saw a fine bunch of animals and am happy to report that America's breeders and feeders still continue to improve our fine breed lines every year. Saw many of my old friends there—Charley Garden, George Edwards, the Husted Bros., Lyman Meyers, and lots of others.

VV

Very interesting to note the increasing interest in "trace" minerals—that's tiny quantities of iodine, manganese, cobalt, iron, copper, zinc and magnesium which (according to the Department of Agriculture) are essential to good livestock nutrition. Lack of these "trace elements" causes nervous disorders, slow growth, reproduction problems and other troubles. You know, that's why I put the right quantities of these trace minerals in VIKING VILAK years ago—maybe that's why so doggone many people say it's the best mineral they ever fed.

VV

I've written a book, "Good Breeding & Good Feeding," that you might find interesting and helpful in mineral feeding problems. Like to send you a copy if you'll just send me a post card with your name and address. And along that same line—I'd be glad to talk to you or write to you about any of your feeding problems. Your letter will get my personal attention.

VV

One of the nice things about VIKING VILAK (in addition to giving you faster gains and greater profits from your animals) is that ALL farm animals like it. You can feed Viking Vilak free-choice!

VV

'48 was a big year in the Show Rings for Vilak feeders. Suppose that's one reason it's "The choice of breeders and feeders of champions." It's been a real pleasure to note the winners in all parts of the country. Some of the top ribbon winners (to mention only a few) were Charles Bianchi of Macon, Missouri; George Struve of Manning, Iowa; Otto Nobis of Davenport, Iowa; Mr. and Mrs. Tim Pierce of Creston, Illinois; Keith and T. C. Kina of Victoria, Illinois; and Walter Thorp of Britton, South Dakota.

VV

Had a nice letter from D. Bargenquarst who supplies Vilak to you folks up around Northwest Iowa. He gave us all the news from up there and mentioned that Ralph Judson had built a new barn, modern in every detail—and that Bill Peters and his family had just come back from a visit to California.

VV

Cereal Yeast

. . . is a very important ingredient in properly balanced feeding. Cereal Yeast is a rich source of Vitamins B and G. It helps to stimulate appetites, aids digestion by helping break down the amino acids in the proteins, sugar and starches in the carbohydrates. It aids in keeping animals on feed, helps prevent bloat and aids in prevention of scours. Improved digestion and assimilation mean faster gains from less feed. That gives you some idea as to why Cereal Yeast is an important ingredient in VIKING VILAK.

VV

If you folks have any questions or news you'd like to see in my regular column, I'd like to hear from you.

The Choice of Profit-Minded Feeders

VIKING VILAK

MINERAL SUPPLEMENT

VIKING LABORATORIES, INC., Des Moines, Ia.

First Soil sample to be tested in the new laboratory set up by Clinton county, Iowa, Farm Bureau came from Vernon Weisf. Since that time Cordy Hinck has listed 380 more samples in her records.

Soil Tests Promote Better Land Use

Clinton County's New Laboratory Supplies Facts Necessary For Good Farm Planning

A GOOD soil testing laboratory should do more than tell the farmer how many pounds of lime or fertilizer a field needs.

It should, in the words of Clinton county, Iowa, Farm Bureau directors, promote better land use in all its aspects, especially as to soil conservation. So they wrote that definition of purpose into the by-laws of their new laboratory.

As it is working now, the Clinton county soil testing laboratory is doing just that. And it is keeping County Extension Director Ed F. Stout busy.

The new lab was equipped and ready to go November 1. Ground was frozen in December, so farmers had only about 30 days to collect samples. By January 1, over 380 samples had been submitted.

That is two or three times as many samples as Clinton county farmers normally submit to the Iowa State College laboratory in 12 months.

There are several hard-and-fast rules in connection with the operation of the testing service.

One rule is that no information on test results is ever supplied by letter or given to an individual farmer who calls at the office.

There's a good reason why it isn't.

When samples from 10 or 15 farms are tested, Stout calls a meeting for these 10 or 15 men. At that time, they get the results. And more, too.

On the basis of the past history of the field—submitted with each sample—plus his knowledge of the

Laboratory contains lots of modern equipment. County Extension Director Ed F. Stout must also spend a great deal of time interpreting and explaining the results of the tests made here.

★ ★ ★ ★ ★ ★ ★ ★ ★ ★

"Livestock By-Products"

Your life comes into contact many times each day with the by-products of the livestock and meat packing industry.

You may feed Armour tankage to your hogs, and protect them from cholera with Armour serum and virus. Your tractor may have rubber tires made with Armour soap and glycerine. You may eat at a table held together with Armour glue, smoothed by Armour sandpaper, and coated with a varnish containing Armour fatty acids. Your auto seat may be upholstered with Armour curled hair. You may smoke cigarettes kept fresh by Armour glycerine. Armour chemicals may have been used in the baked enamel finish on your refrigerator. Your wife may wash the dishes, the laundry, and the children with Armour soap.

Anemic persons may be kept in good health with Armour liver extract; diabetics may owe their lives to insulin made from animal glands provided by Armour. Your shoes may be made from Armour leather, and your children may play musical instruments made with Armour strings.

Thus, in countless ways, Armour helps make your farm more profitable and your living more comfortable, with by-products that once were wasted. And best of all, these by-products add value to the livestock you raise.

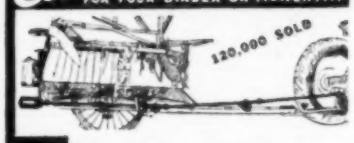
ARMOUR

AND COMPANY

★ ★ ★ ★ ★ ★ ★ ★ ★ ★

Carlson POWER DRIVES

FOR YOUR BINDER OR MOWER....



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ON YOUR BINDER — CARLSON Power Drive will convert your ground-driven binder into a power driven binder or windrower. It will cut a full swath in any grain, cut up to 40 acres a day at half fuel cost . . . protect binder mechanism with the sensitive clutch . . . eliminate costly parts replacement such as bull chains, sprockets, bearings, pitman shaft, etc.

ON YOUR MOWER AND OUR BINDER — CARLSON Power Drive will give you that added measure of safety, economy and cutting power on even your toughest cutting jobs. Direct power from the tractor power take-off to your mower or binder via CARLSON POWER DRIVE gives you the shortest route to cutting SATISFACTION!

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Many Exclusive Features

$149 COMPLETE

Liberal Discounts—Immediate Delivery

BALDWIN MFG. CO

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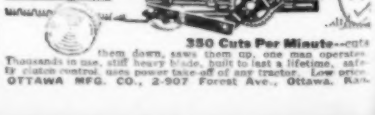
OTTAWA TRACTOR SAW



350 Cuts Per Minute—cuts them down, saws them up, one man operation. Thousands in use, stiff heavy blade, built to last a lifetime, safety clutch control, uses power take-off of any tractor. Low price. OTTAWA MFG. CO., 2-907 Forest Ave., Ottawa, Kan.

Mr. Babe Turner Says:

"WYNN'S FRICTION PROOFING OIL ... *Increases Engine R.P.M.!*"

Mr. Babe Turner, owner of Turner Aircraft Sales, 201 West Broadway, Newton, Kansas, knows planes. His firm represents the famous Cessna line of planes as well as providing complete A & E service. He made careful checks before using Friction Proofing. He says:

"We use Wynn's Friction Proofing Oil in all our planes, and it has certainly helped cut down our maintenance troubles.

"Friction Proofing really does a job in eliminating sticky valves in engines.

"Tests made under my personal supervision have shown that adding Wynn's Friction Proofing to an engine's crankcase and gasoline will increase its R.P.M. by as much as 100 R.P.M. without any adjustments being made to the engine!"

BOCKES DISTRIBUTING CO.
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WYNN'S FRICTION PROOFING OIL

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LADINO CLOVER
BEST PERENNIAL
PASTURE SEEDS

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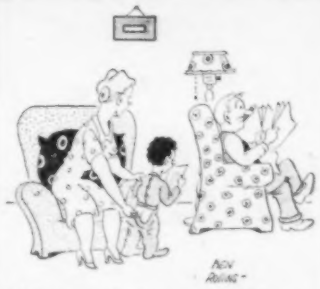
Sam Bober & Sons
Box 751
RAPID CITY, SOUTH DAKOTA



"That reminds me . . . did you close the trap-door in the attic, Ed?"

county's farms, Stout can use the soil test as a guide in making complete land use recommendations.

These recommendations explain the need for limestone, potash, phosphate and nitrogen for various crops. No tests are run for nitrogen, but the past history of cropping and yields gives an indication of any deficiency.

Such things as drainage, erosion control to hold present fertility, better rotations — practically a whole farm plan is worked out.

Often a representative of the local SCS unit can help. Harlan Backhus, district technician, has also helped.

Each farmer leaves with a comprehensive idea of just what his fields need in the way of good land use. The charge is 50 cents per sample.

Collection of the sample and description of the field's history follow the rules of ISC. Individual samples from each 10-acre area are thoroly mixed. A pint of this composite sample is submitted.

It is significant that the two or three county soil testing labs in Iowa are in eastern counties, just across the river from Illinois.

Iowa State College extension men have been a good deal less than enthusiastic about setting up local testing laboratories. There are dangers in the local set-up.

It's hard to get trained men who can make the test and interpret the results. The explanation of the results is by far the most important. If the interpretation of the results is off, the mere test results could be useless.

However, farmers in Clinton county had watched the county set-up in Illinois. Illinois has had county labs for several years.

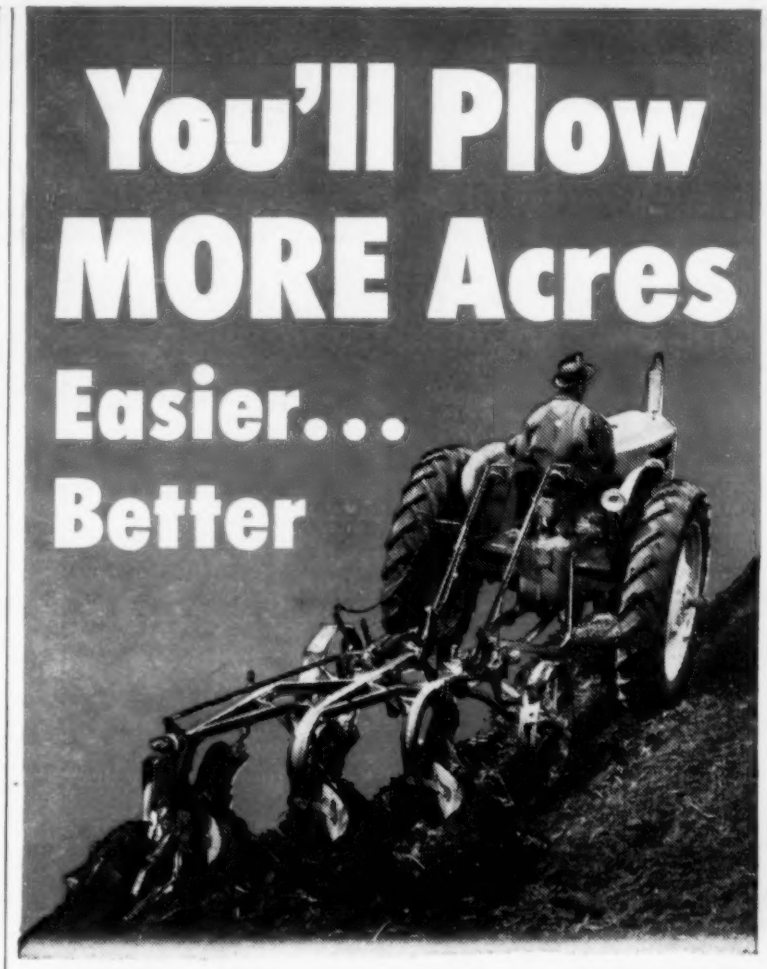
As Stout puts it, "I'm just across the river from Frank Shuman, in Whiteside county, Illinois. Farmers here read about his work and talk to Illinois farmers. So we practically had to put in the lab in self-defense."

A report of the Whiteside county soil testing service appeared in Wallaces' Farmer and Iowa Homestead in October, 1947.

Boosters of the county system, like Shuman, point out the volume of samples tested as proof of the need. The Clinton county response seems to bear them out.

Almost every field in Iowa needs fertilizer of one kind or another. But putting that fertilizer on without a soil test is like taking medicine without a prescription.

County lab advocates claim their system offers a means for real promotion of soil conservation in addition to the possibility of saving money or getting more results from fertilizer.



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. . . the Plow with the 3 Exclusive Features

One-third of all the horsepower you use is needed for plowing. That's why it is so important to get a light draft plow. The right plow is important for another reason. Good plowing is the first step in making a crop.

So take a good look at the Massey-Harris No. 28—packed with all the "know how" of more than 100 years of fine plow building.

With its exclusive Double "X" Frame, the No. 28 smiles at tough soils that twist less sturdy plows out of alignment.

Constant clearance lift raises bottoms to the same high position (7½") regardless of plowing depth—saves time at the end lands.

Cone type wheel bearings, chilled to extra hardness, easily adjusted for wear, keep the wheels always running true.

Teamed up with your Massey-Harris Tractor—or any tractor—the No. 28 Plow will do more and better plowing, for a longer time, and at lower cost. Your Massey-Harris dealer can show you why. In 2-, 3-, 4-, and 5-bottom sizes.

Write for a copy of the Massey-Harris Buyer's Guide which describes the full line of Massey-Harris Farm Equipment. Address Dept. 25.

The MASSEY-HARRIS Company
Quality Avenue, Racine, Wisconsin

Make it a Massey-Harris

MASSEY M-H HARRIS TRACTORS COMBINES IMPLEMENTS

EASY ROLL

TRACTOR WIRE WINDER

80 Rods in 3 Minutes

Dealers: Special offer. Write immediately.

Rolls or unrolls wire mechanically! Handles barbed or check row wire without snarling or back-lash. Simply drive tractor down fence row. Attach or detach in seconds! Fits row crop, Ford, Ferguson tractors. Only one reel required. Satisfaction guaranteed or money back. Reasonable price. Write today for

FREE FOLDER

Dept. 1, Wire Winder Mfg. Co., Mendota, Ill.

Gentlemen: Please send "80 Rods in 3 Minutes" folder and prices on EasyRoll Wire Winder.

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Homemaking Department

Daughters of Ceres held their fiftieth anniversary party in the home of Mrs. John Harding (right). Co-hostess was Mrs. Fred Kern (left).

Representing the various ages of dress during the life of the Daughters of Ceres are (from left): Mrs. Lewis Morris, Mrs. Bert Baker and Mrs. Edward Smith (wearing pre-1900 dresses, or about the time the club was formed). Also Mrs. Elmer Baer, wearing a "flapper" dress of the early 1920's, and Mrs. Dale Milligan (right), wearing a modern evening dress—actually, it was her wedding dress. These women all live in Polk county, Iowa.

Mrs. Lewis Morris, long-time member, models a black dress of the 1890 period. Her daughter, a member, and her granddaughter were present.

Mrs. Hugh Smith (left) is president of the club. Mrs. Dale Taylor and Mrs. C. C. Griggs (right) are both daughters of charter members.

Club Celebrates Fiftieth Year

ON MAY 20, 1898, the old Des Moines Register and Leader carried this item:

"Mrs. Martin Flynn gave an informal company at her country home yesterday afternoon. Mrs. Henry Wallace was a guest from the city, and assisted in forming a circle of the "Daughters of Ceres."

Ceres is Goddess of the Harvest, and the club was made up of farm women. The Mrs. Wallace who aided in organizing the club was the wife of "Uncle Henry" Wallace.

That was fifty years ago. There are no charter members of the club left. But there are daughters and granddaughters of charter members who have kept the club alive and active thru the years.

Recently, the Daughters of Ceres held the celebration party of their fiftieth anniversary. Mrs. John Harding, of Polk county, was the hostess. It was a few months late, but the women made up for the time in variety and fun.

Many of those who attended the party came dressed in costumes of other days. Some wore pre-1900 styles; others later styles, but all represented the life of the club.

As the different styles were modeled, Mrs. Hugh Smith, the present president, played records on the victrola of the music of the area represented. Mrs. Lewis Morris, in a black 1890 dress, represented the period in which the club was organized.

The Daughters of Ceres meet once a month for business and fun. Usually two hostesses take care of each meeting. But when families of members are invited, it requires four hostesses.

The meetings rotate in different farm homes.

Many farm groups in Iowa have been organized as long, or longer, than the Daughters of Ceres. Communities feel and respond to the life and warmth of these groups. It is a fine thing for communities to develop a social life that passes on from one generation to another.

COUNTRY AIR

By ELIZABETH C. WHERRY

WE HAD just sold 40 hogs—there were about that many more ready to go, and the price was teetering. Fifty to 70 cents and 40 to 70 pounds make a lot of difference when it comes to selling hogs.

* * *

"Well, do as you think best," I said to the man on the farm. Being powerfully good at second-guessing, I'm not very reliable as a market guide. On my way back to town, I wagged my head thoughtfully—

* * *

"To be sure, it's swell to get so much money right now for our cheap corn when marketed thru hogs and all, but we still take what the man says. . . . And pay what the other man says," I added to myself, remembering the bills just paid for fence posts.

* * *

Instead of saying, "What exciting games of chance the farmer plays as the producer of raw material," I said, "Jiminy! What a gamble a farmer's life is—I would think he'd go nuts trying to decide when to sell."

* * *

What was worse, I said it to a nice city cousin, who works hard for a very good salary, and pays a considerable cut of it for pork chops and sausage.

* * *

"Yeah?" he said, skeptically. "Did you ever hear a farmer do anything but grumble?"

* * *

Of course, I could have pointed out a lot of men who still have mortgages, haven't paint, modern homes, new cars, and a lot of other stuff, but with that old feeling of "why try to make him see the farmer's viewpoint?" I desisted.

* * *

There are some other town and city men I know whose incomes right now are whooping right along. They always say: "These farmers around here——" "These farmers," indeed! Like some folks say "those people" when referring to the other side of the tracks.

* * *

I always get a little bit hot under the collar, for it's "these farmers around here" and their better incomes that make it possible for professional and business men in rural towns to do so well just now.

* * *

But it all set me thinking. Do we grumble a lot? We farmers, I mean. Are we always looking for a big, hairy-chested depression just around the corner? Are we always living with a cloud in one eye and a dust-storm in the other?

* * *

Can't we ever forget "keeping cool with Cal" in the 1920's? Are we never going to shake off pioneer caution? Are we thrifty, or merely tight? And do we really go 'round feeling sorry for ourselves? Sorrier than other people feel for themselves, I mean.

* * *

To look down Main Street in our little town on a sunny morning is like taking a look at a Grandma Moses primitive painting — people, transportation, buildings, action.

* * *

As I back my car out into the street and look downtown, there are a hundred glittering highlights from shining motor cars (most of 'em are farmer owned) parked in the business district.

* * *

Big, red semi-trailers are slashing across the glitter. Small, yellow panel jobs dart in and out. Everything from bread to beer, from oranges to head lettuce, pours out from them. Uptown, the hardware stores are full to bursting with glorious white enameled deep freezers, stoves and shining cooking ware.

* * *

The other day, I visited in a town of about 2,000, that I have known fairly well for 20 years. My eyes blinked a bit, for I could remember when the windows and stores in that town were pretty empty and shabby — during the depression years and the war shortages.

* * *

But now, highly polished furniture, big mirrors, white enameled kitchen units, fur-trimmed coats and lacey blouses, silver plate and china in display windows, were all on the luxurious side.

* * *

And were the farmers doing nothing but grumbling? Goodness, I don't know! How is it down your way?

* * *

Do we keep prosperity by crouching and parrying? Are we powerful enough to take some constructive action that will make industry keep up with big pay rolls?

* * *

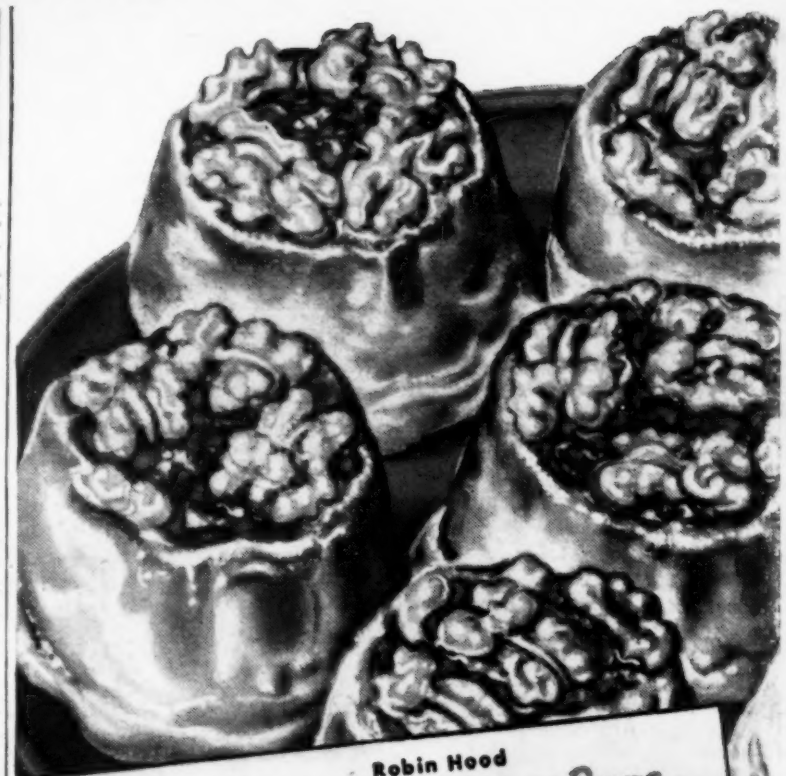
Our old story of tough times was more dramatic, and, by golly, it was true! But are we off on the wrong foot now?

* * *

Don't answer me yet. Think it over first. It makes me mad to be called "these farmers," and to be told that we always grumble. So what?

* * *

Oh, well, it's beyond me. I'm going out to the kitchen and dig out one of those pink Texas grapefruit that came in a bushel basket for Christmas. And then I'm going to bed and go to sleep.



Robin Hood

Walnut Cinnamon Buns

Recipe by Rita Martin

3 tbsp. butter
¼ cup sugar
½ tsp. salt.
1 cup milk, scalded
1 cake compressed yeast or 1 pkg. granular yeast
3½-4 cups sifted ENRICHED ROBIN HOOD FLOUR
2 eggs
Brown Sugar, Butter, Cinnamon, Walnut halves

METHOD

ADD—butter, sugar and salt to scalded milk; cool to lukewarm.
DISSOLVE—crumbled yeast in milk mixture; add 1 cup of flour and beat with rotary beater until well blended; add eggs and beat again.
MIX IN—remaining flour and blend well; allow dough to rest, covered, on molding board for about 5 minutes; knead dough until smooth.
LET RISE—covered, in warm place until doubled; punch down and knead slightly.
PAT—or roll out dough into a rectangle ½ inch thick, brush with melted shortening, sprinkle with brown sugar and cinnamon.
ROLL—dough lengthwise and seal the edge; cut roll in 1½ inch pieces.
PLACE—1 tsp. brown sugar, 1 tsp. melted butter and several walnut halves in bottom of well-greased muffin pans; place rolls cut side down in muffin pans, and let rise until light.
BAKE—in moderately hot oven, 375°, 18 to 20 minutes.
TURN—pan upside down onto baking sheet and allow pan to remain over rolls for a few minutes.
YIELD—2½ to 3 dozen medium-sized rolls.

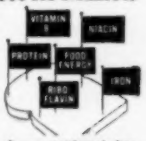
You couldn't pay me to use any other flour

—says Mrs. Ivan Hudson, Battle Creek, Mich.

"When it comes to flour, I've tried them all," says Mrs. Hudson, "and I've found that Robin Hood really is different. I get top results every time."

When you try Robin Hood you, too, will be every bit as enthusiastic as Mrs. Hudson. You see—you just have to get top results with this famous flour. There's a money-back-plus-10% guarantee in every bag that says just that.

Robin Hood is different from other flours. Immense sums have been spent to perfect its Million Dollar "Secret Blend." That's why it gives you such flavorsome bread—such light and fluffy cakes—such tender, flaky pastry. Ask your grocer for Robin Hood Flour the very next time you shop, and use it for all your baking.



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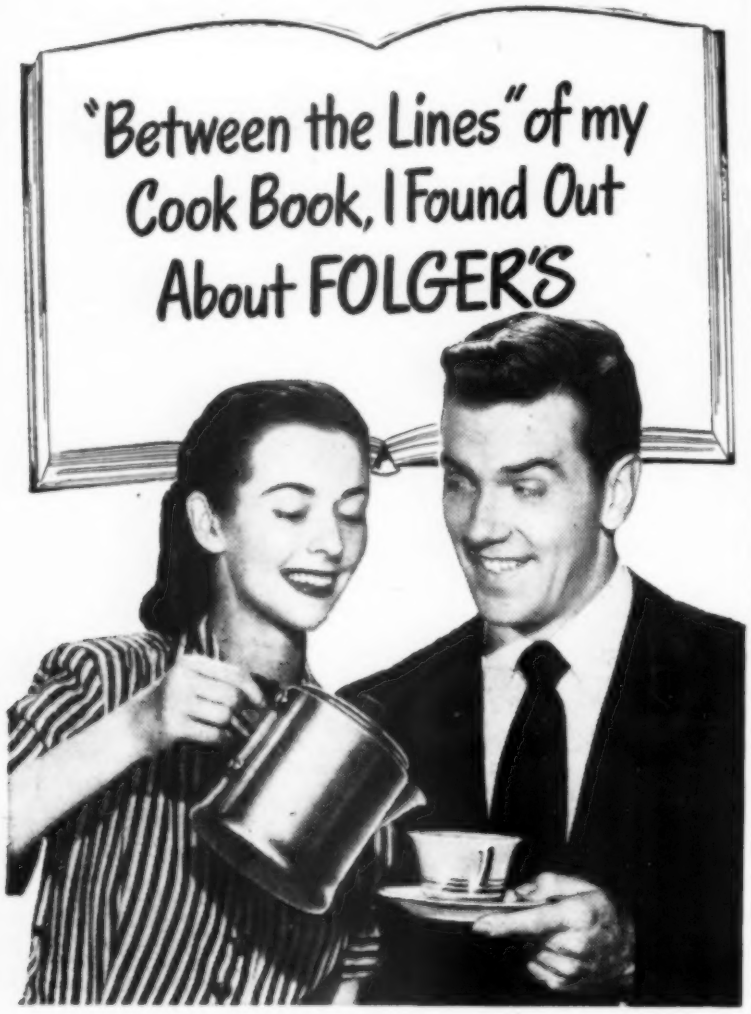

"To make good coffee, buy coffee with the finest flavor and aroma," my cookbook said. So I asked around, and everybody said, "We like *Folger's* best." You'd have thought there just *wasn't* any other coffee! So I tried Folger's myself, and now there *isn't* any other coffee, for us!

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Get set for the best-tasting cup of coffee you ever tilted to your lips—when you switch to real, Mountain Grown Folger's! This special kind of coffee gives you an immensely stepped-up pleasure in coffee drinking. Mountain Grown Folger's is outstanding for its unusually rich, vigorous flavor, and famous for its delicious individuality. Won't you join the folks who enjoy coffee to the utmost, because their brand is Folger's? Just ask for the coffee that is loved for the extra pleasure it gives—Mountain Grown Folger's Coffee.

A Special Kind of Coffee—
MOUNTAIN GROWN - So Extra Rich in Flavor
You are urged to TRY USING 1/4 LESS
than with lesser flavored brands!

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THERE'S A MOUNTAIN OF FLAVOR IN EVERY SPOONFUL!

This is Mary Nowachek's method of rolling up the flattened buns to form crescent-shaped poppy-seed rolls. They are called "Rolics" in Bohemian, and are made from the same dough as kolaches. Mrs. Nowachek's home is in Jones county, Iowa.

Good Old-Fashioned Kolaches

An Expert Cook Gives You Her Famous Recipe For Making Bohemian Kolaches

IT'S always fun to watch a good cook prepare food. To watch Mary Benhart Nowachek, Jones county, Iowa, make a batch of Bohemian kolaches is more than fun—it's sheer fascination.

"What's your recipe?" I asked her.

"Oh, goodness!" she said, in dismay. "I just take as much milk as I think I will need——" and so on.

But, for the sake of this story, Mrs. Nowachek measured her ingredients as closely as a really good cook can. For a batch of about 50 kolaches and 25 "rolics" (poppy seed rolls to you), she takes:

1 quart warmed milk
1 three-cent cut bulk soft yeast, dissolved in half a glass of water and half a teaspoon of sugar
6 tablespoons melted lard
8 teaspoons sugar
1 teaspoon salt
6 or 7 (or more) cups flour

The method and handling are as important as the ingredients:

Make sponge—not too stiff—and let rise.

Mix dough stiff, but "not too stiff." (One of the secrets of the puff-pastry-texture of the finished product is the soft dough, which requires dexterous handling.) This rises till double in bulk and is punched down. Sometimes the punching is repeated.

When double in bulk, Mary begins the delicate task of making the balls of dough. The dough is always lightly handled and never allowed to chill. This requires a lot of turning and expert touching.

Mary pinches off small balls of dough, patting them into shape and rolling lightly in the palm of her hand. They are placed on a floured board and set in a warm place, preferably on the warming oven of Mary's shining range.

When the dough balls are double in bulk, they are lightly flattened and turned upside-down in case a crust may have formed. They are placed close enough in a large pan so that when raised they will just touch each other, making slightly squared buns. Tops and sides are brushed with melted lard.

When about half raised, Mary gently places the pan on the table and with quick, skillful fingers pushes a round depression in the center of each bun and puts a big teaspoon of filling into each hole. Then back to the warm place to finish raising.

When the light dough starts to make little bubbles is the time to put them in the oven—not a minute later. Jim, Mary's husband, doesn't like the looks of bubbles in the dough.

The kolaches are baked in a quick oven, and, while still in the pan, are brushed with melted lard and covered briefly with a snowy-white cloth.

When the lard is absorbed, the final brushing is done with melted butter. Sugar is generously sprinkled over the crust and filling, and they are gently removed to a cloth and again covered.

This step is where the admiring on-lookers come in. The coffee pot is put on the stove, cream and sugar and a plate of kolaches are brought to the table, and you revel in the results of all the careful steps Mary Nowachek has taken to make her famous kolaches.

For prune filling, Mary uses a good quality of prunes. She cooks them slowly, drains, pits and mashes them. Sugar and cinnamon to taste. A little crushed pineapple is sometimes added. Dried apricots are treated the same way. Filling should be the consistency of mush.

For poppy seed filling, grind the seeds, cook with milk, and sweeten with sugar and syrup. Fresh cherries are pitted and drained, with one-third teaspoon of sugar sprinkled on each kolache

When the kolaches are about half raised, Mrs. Nowachek gently pushes a round depression in the center of each bun. Then she puts a teaspoon of prune filling in each. The kolaches are then returned to the warm place to finish rising.

before baking. More may be added after baking.

If the dough is not chilled, and if it is handled lightly enough, your kolaches may be as good as those Mary Benhart Nowachek makes—especially after you have made as many thousands as she has.

CELESTIAL CRUSTS ("LISTY")

Mrs. Josie Burda, Jones county, Iowa, contributes a traditional Bohemian recipe called "Listy," or Celestial Crusts:

4 egg yolks
1 whole egg
Salt
2 teaspoons sugar
¼ teaspoon vanilla
Flour to make dough almost as stiff as for noodles

Rest dough for one-half hour. Roll thin as for noodles; cut into strips about one and a half inches wide and five inches long. Make two or three diagonal slashes with a knife thru the center. Fry like doughnuts in deep fat. Sprinkle with powdered sugar.

Mrs. Burda also has a recipe for

REFRIGERATOR KOLACHES

1½ cups potato water
1 cup mashed potatoes
1 cup water
1 level tablespoon salt
½ cup shortening, butter and lard
2 egg yolks
1 cake yeast
½ cup sugar

Dissolve yeast in one-third cup lukewarm water with a teaspoon of sugar. Use about eight or nine cups of flour and work until the dough leaves the spoon. Sponge with lard on top and set in the refrigerator overnight.

Have your prunes or apricots cooked and sweetened to taste. These are for the filling.

In the morning, make your dough into biscuits about the size of a walnut. Place them on baking sheets, flatten them, and grease over top. Let rise till fluffy; then make a hole in the center of each bun and fill with the filling. Any kind of fruit may be used.

Then let rise for about 15 minuts and bake in a 425-degree oven. When nice and brown, they are ready to take out. Then brush with butter on top and take out of the pans and put on brown paper.—E. C. W.

Warmth In Winter

APPLY these winterizing practices and you will keep your home considerably warmer from now on until spring.

Be sure to use all your rugs during the cold months. Rugs are a help in insulating your floors from cold.

As an aid to the rug insulation, place rug pads beneath them. If you can't buy the pads, place several thicknesses of newspapers beneath the rugs.

If you are a fresh-air sleeper during the winter months, too, keep those bedroom doors closed at night, to prevent the colder air from chilling the other rooms in your home.

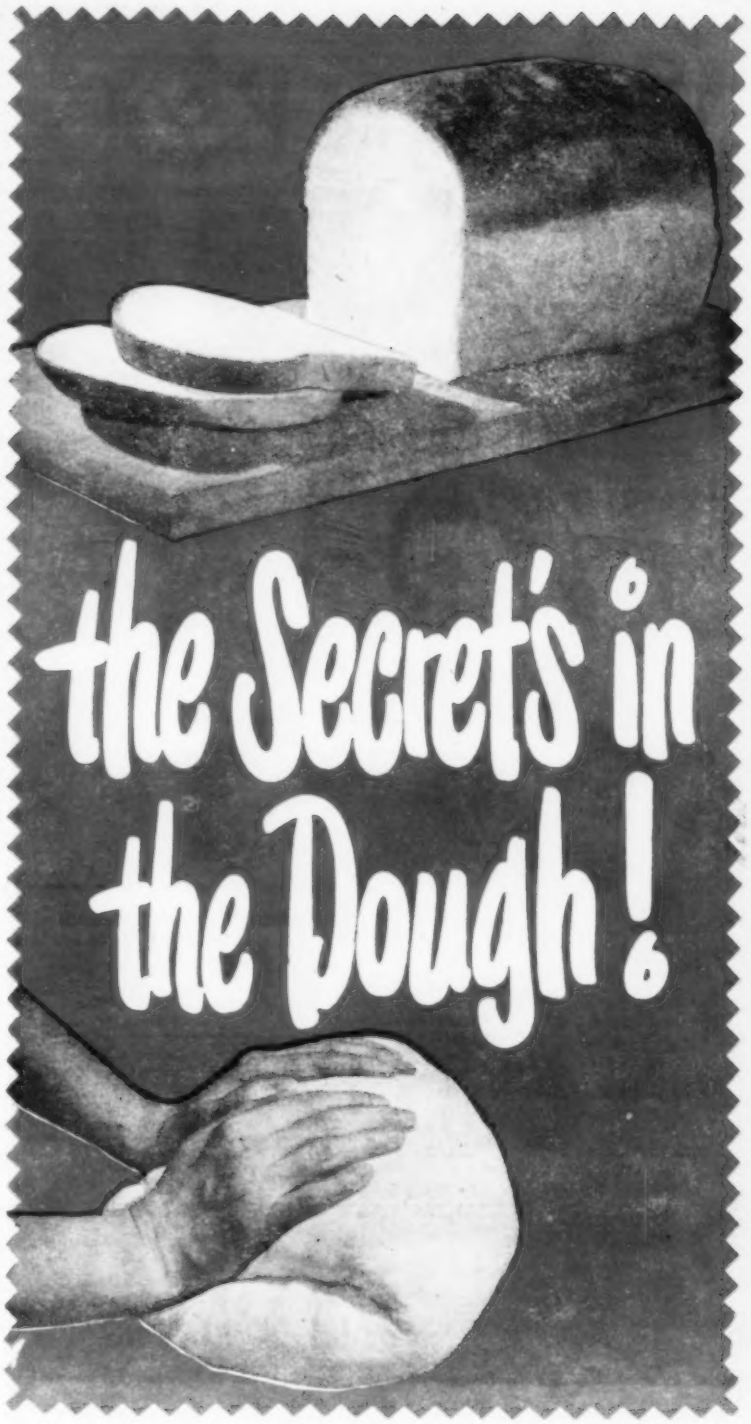
Then roll up a small rug and place it inside against the bedroom door threshold, to further prevent drafts entering warmer, heated rooms.

Air the house between noon and 2 p. m. Outdoors temperatures are normally highest then, and you will have warmer air to heat this way.

While we are on this winter air subject, remember to keep the air in your home humidified.

You remember how you feel on a sultry summer day. Air moisture lessens skin evaporation in both winter and summer, and humid air doesn't have to be as warm to keep you comfortable.

Most furnaces are equipped with built-in water pans for evaporating water into heated air. Be sure to keep them full. But open pans of water can be placed on tops of stoves and radiators to serve the same purpose.



Some women tell us they believe Pillsbury's Best Enriched Flour is "easier to handle on the bread board." They say it gives them a bread dough that's firmer, silkier, more responsive.

Others rave about the lighter loaf, the whiter slice—and the golden crust they get in loaf after loaf of bread baked with Pillsbury's Best.

It all seems to boil down to this. Pillsbury's Best gives you better bread in two important ways:

1 IN THE MAKING! A firm, strong dough that rises higher and faster and holds its shape.

2 IN THE EATING! A loaf that's everything you want in good, fragrant, nutritious bread!

Try Pillsbury's Best Flour yourself. Get some today at your grocer's in the economical 25, 50, or 100 lb. bag. Look for the 4X label—the famous label that promises you *extra* dependability, *extra* lightness, *extra* flavor, *extra* nourishment in everything you *bake*—from bread and rolls, to magnificent cakes, pies, and pastries!

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Save Extra-Value Coupons now packed with all Pillsbury products for valuable articles at unusual savings!

DOUBLE YOUR MONEY BACK!
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Many Never Suspect Cause Of Backaches

This Old Treatment Often Brings Happy Relief

When disorder of kidney function permits poisonous matter to remain in your blood, it may cause nagging backache, rheumatic pains, leg pains, loss of pep and energy, getting up nights, swelling, puffiness under the eyes, headaches and dizziness. Frequent or scanty passages with smarting and burning sometimes shows there is something wrong with your kidneys or bladder.

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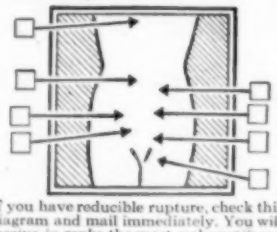
Rupture?



If you have reducible rupture, check this diagram and mail immediately. You will receive in reply the most welcome news you ever had.
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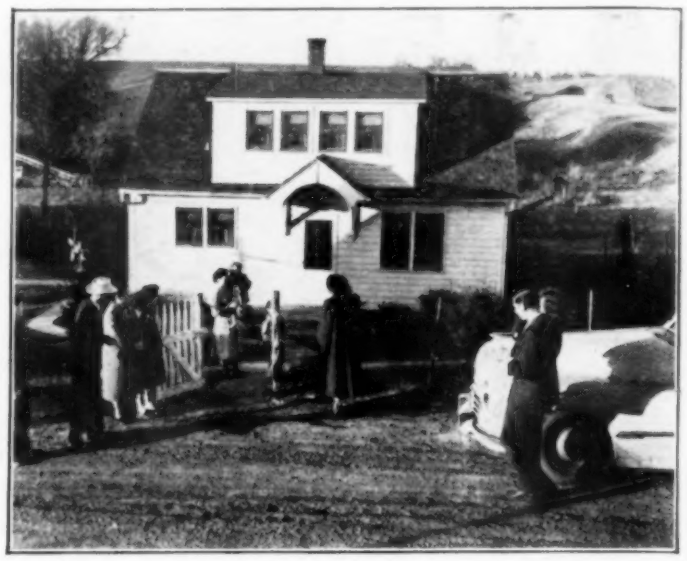
A Birthday Party

Jimmy Stressman, Shelby County, Iowa, Had a Surprise Party On His Birthday

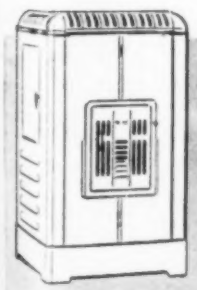


Jimmy's two grandmas, a grandpa, some uncles, aunts and cousins surprised him recently on his sixth birthday. Here they arrive in a group. His mother, Mrs. Adolph Stressman, had the birthday cake all baked, but it was kept hidden from Jimmy.

When they all sat down to the table for dinner, they were: Left—Mrs. John Wilwerding, a grandmother; Alice Wilwerding, an aunt; Ray Wilwerding, an uncle. His grandfather, J. C. Wilwerding, sat next, then his father and mother and little sister, Sally, his uncle and aunt, Mr. and Mrs. Kenneth Coenen, his sister, Donna, and Linda, his cousin.

Jimmy blew out all the candles with one blow. With him are his grandfather, Sally in the high chair, and his cousin Linda and sister Donna. It was a wonderful birthday party.

THIS amazing, exclusive Monarch "Duo-Oven" Range opens new pages in your cook book. Out of your kitchen will come new dishes . . . new baking triumphs for your family to enjoy — and praise. If your recipe calls for 425° — your oven is held at exactly 425° — or whatever temperature you require. No longer need you watch your oven like a hawk. No more prodding the fire . . . no more worry about failures. Your controlled oven gives you *controlled* results. You set the dial and forget it! You're mentally free to do other things — with your automatic temperature control reliably in charge! And, in addition to this exclusive "duo-oven", you get Monarch quality throughout — the quality that has been America's favorite for 3 generations. See your Monarch dealer — or mail coupon below.



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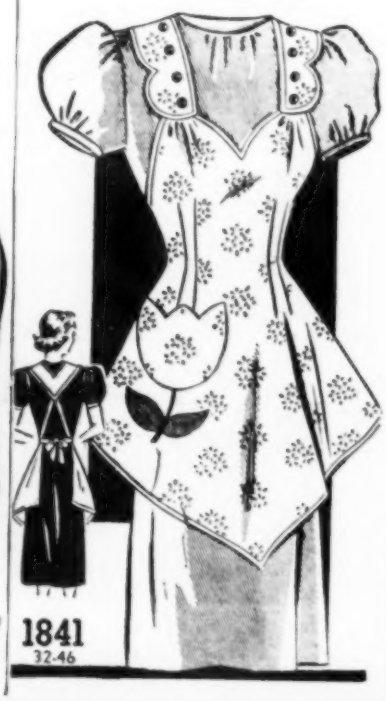

No. 8396—For school or party, for the "Princess" of the family. Made in a jiffy. Sizes 2, 3, 4, 5, 6 years.

Patterns 25c each, in coin or stamps—coin preferred. Spring and Summer FASHION coming soon—also 25c. Bigger and better than ever. Order from Pattern Dept., Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa. CAUTION—Be sure to give your name and address when ordering.

A window seat in the utility room makes a fine place for overshoes. Bill and Danny sit on it when they put them on. The boys are the sons of Mr. and Mrs. Wayne Ogren, Sac county, Iowa.

COOKERY CORNER

LEMON CHIFFON PIE

1 nine-inch pie shell
1 tablespoon gelatin
¼ cup cold water
4 egg yolks
1 cup sugar
½ teaspoon salt
½ cup lemon juice
1 teaspoon grated lemon rind
4 egg whites
Whipped cream optional

Sprinkle gelatin over cold water. Beat yolks, add one-half cup sugar, salt and lemon juice and rind. Cook and stir in double boiler until thick. Add gelatin and stir until it dissolves. Cool. When beginning to set, fold in the egg whites, beaten until stiff with remaining sugar. Pour into a baked pie shell. Chill. If desired, fold one-half to one cup heavy cream, whipped, into mixture, or spread finished pie with whipped cream. Makes nine-inch pie.

SPICY GREEN BEANS

1 cup chopped onions
4 tablespoons bacon fat
1 cup cream
½ teaspoon salt
¼ teaspoon nutmeg
4 cups canned green beans

Brown onions in fat. Add cream, salt and nutmeg; stir well. Add beans; mix well. Cook slowly for 10 minutes. Remove from fire and serve with roast chicken or beef, mashed potatoes, vegetable salad mold and whole-wheat rolls. Will serve six to eight.—Mrs. John F. Dvorak, Cerro Gordo County, Iowa.

PORK CHOP SUEY

1½ pounds pork shoulder
1 cup water
1 large green pepper, cut into strips
1 large onion, sliced
1 cup coarsely diced celery
¼ pound mushrooms, sliced
1 teaspoon salt
2 teaspoons soy sauce
1 No. 2 can bean sprouts, drained
1 tablespoon cornstarch

Trim fat from pork. Cut fat into small pieces; cook in heavy frying pan over medium heat until all fat is rendered from tissue. Remove meat from bones; cut in thin strips. Add bones to one cup water in sauce-pan and simmer 30 minutes; there should be three-fourths cup stock remaining. (If lean pork is used, dissolve one bouillon cube in three-fourths cup hot water.)

Remove fat tissue from pan; add meat and cook until well browned, turning frequently. Add green pepper, onion, celery, mushrooms, salt, three-fourths cup stock and soy sauce; cook, stirring occasionally, 10 minutes.

Add bean sprouts. Add half cup cold water to cornstarch gradually; blend in a little of the hot liquid. Return to chop suey and cook, stirring constantly, until slightly thickened. Serve with cooked rice. Makes six servings.

COOKED SALAD DRESSING

2 egg yolks
¾ cup vinegar
¼ cup water
½ cup sugar
½ teaspoon mustard
1 teaspoon salt
¼ teaspoon pepper
1 tablespoon flour

Beat egg yolks and add vinegar. Combine this mixture with mixture of sugar, mustard, salt, pepper and flour. Cook over a slow fire until it thickens. Remove from fire and add one tablespoon of butter. This will keep indefinitely in cold place.—Mrs. Lester Adkins, Poweshiek County, Iowa.

LIMA BEANS DE LUXE

6 slices bacon
¼ cup minced onion
½ cup chopped celery tops
⅔ cup light syrup
¼ cup catsup
1 teaspoon dry mustard
1 teaspoon salt
3 cups cooked lima beans
1 cup cooking liquor from the beans

Cut two slices bacon in bits and fry till crisp; remove. Cook onion and celerly slowly in fat until a golden color; add remaining ingredients except uncooked bacon. Pour into greased baking dish. Top with remaining bacon slices. Bake in a 350-degree oven for one hour.—Mrs. B. P., Richardson County, Nebraska.

Good Things To Eat...

by MARY FOSTER

You'll Like my New basic recipe for your COFFEE CAKES and SWEET ROLLS!

YOU DON'T HAVE TO *KNEAD* IT!

That's right—no kneading required for making coffee cakes and sweet rolls when you use my new recipe. And do they turn out delicious! Try it now for PECAN ROLLS . . . so easy this new way . . . and they always turn out perfectly with Mother's Best Flour. You'll like Mother's Best Enriched Flour for all your baking. No other flour just like it. Works up beautifully. Rises to perfection. And, it has added minerals and vitamins to help build strong bodies. Try it. You'll be delighted with everything you bake, or you get your money back.

Pecan Rolls are Easy with This Recipe

2 cakes yeast
¼ cup lukewarm water
1 cup scalded milk
¼ cup shortening
½ cup sugar
1½ teaspoons salt
5 to 5½ cups Mother's Best Enriched Flour
2 eggs well beaten
½ cup melted butter
1½ cups brown sugar
1 cup pecan halves

(1) While yeast softens in warm water (2) scald milk, pour into mixing bowl. (3) Add shortening, sugar, salt—stir to dissolve. (4) Stir in half of flour for thick batter. (5) Stir in beaten eggs and yeast solution. (6) Add remaining flour. Mix well. Instead of kneading, ball up dough on lightly floured towel. Roll to ¼ inch thick. Fold twice to make three-thickness fold. Then fold from end in thirds again—turn smooth side up and place in greased bowl. Cover, let double. (7) While dough is raising, prepare pan for rolls. Cream 6 tablespoons butter with 6 tablespoons brown sugar and a little water to help dissolve sugar. Spread on both sides of 9 inch skillet or baking pan. Sprinkle pecans in pan. Holds about eight rolls. (8) When dough is light, roll into long, narrow sheet ½ inch thick, eight inches wide. Brush lightly with melted butter. Sprinkle with brown sugar and cinnamon. Roll like jelly roll—sealing edge. Cut into slices. Place slices cut-side down. Let rise until doubled. Bake in oven (350°) 25 minutes.

TRY THESE SOUTHERN-STYLE PANCAKES

Believe it or not, you can now have the same kind of old "down-south" pancakes folks in Dixie have been raving about for generations. They surely are delicious! Bake to a rich, golden-brown. Always light and tender. And so easy to make! Just ask your grocer for DIXIANNA Pancake Mix. Add milk, mix and bake. That's all there is to it. You'll love every bite. AND . . . as an EXTRA INDUCEMENT to get you to try them right away, here's a SPECIAL OFFER. Send me the name "Dixianna" from any size package of Dixianna Pancake Mix with 25c, and I'll send you a six-inch pair of utility scissors worth $1.00. Hurry. This offer is limited. Send to MARY FOSTER, Box 1217-W, Omaha, Nebraska.

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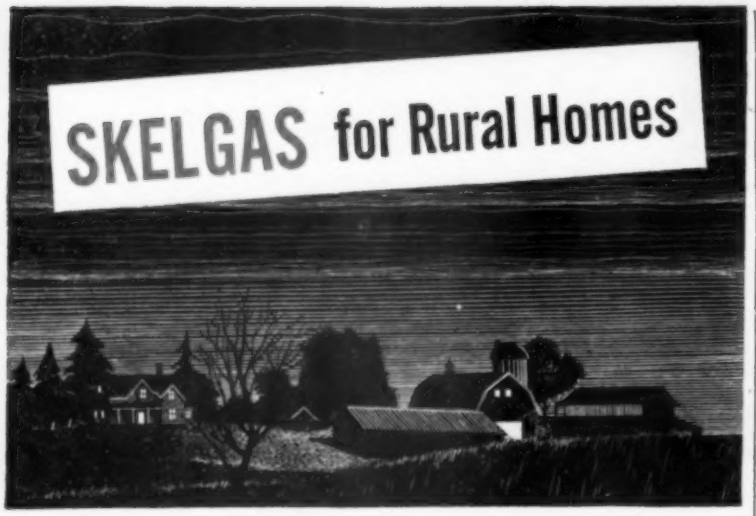

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Almost no flower grows easier, or produces more blooms than the lovely REGAL LILY—favorite of all lilies. Its graceful, pure white flowers, tinged lightly with lilac on the outside and yellow on the inside are an inspiring sight in the garden for weeks. With so many blooms on a single plant its no wonder they are called the "Aristocrat of All Garden Flowers" and they are easy to grow—will withstand any heat or cold—and always bloom.

Here's your chance to get five healthy lily bulbs that will bloom profusely in your own garden. Worth many times this price, and the best value I have ever offered. Will bloom in your garden for years to come. Send 10c today.

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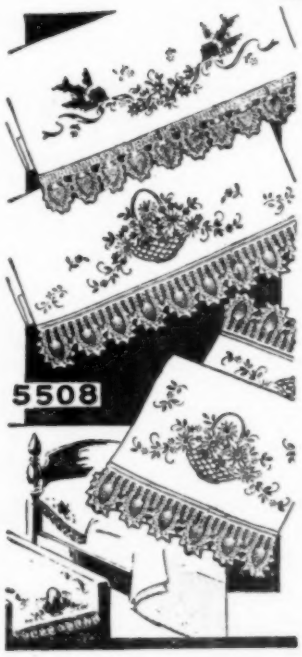
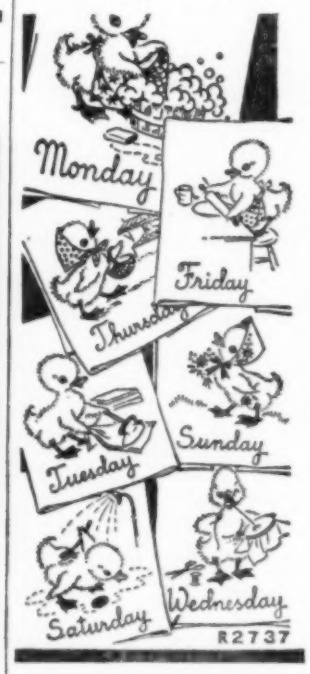




No. R-2772—Kind owner of this 100-year-old quilt allowed us to copy it for you to enjoy. Well named "Friendship" quilt.

Designs 20c each (coin preferred). FASHION Book 25c. Send to Pattern Dept., Wallaces' Farmer and Iowa Homestead, Des Moines. CAUTION—Give name and address

NEW Superflame

COMPANION RANGE

- It Heats
- It Cooks
- It Heats Water

A completely new oil burning companion range styled to match the modern gas and electric ranges. It is designed to keep cold kitchens warm, to heat water and for all the family cooking. Replaces yesterday's old-fashioned untidy cook stove with beautiful white porcelain enamel finish and chrome trim. Compact—efficient—economical.

Distributed by

Harper & McIntire Co.

OTTUMWA • CEDAR RAPIDS

For Sale at

Your Favorite Hardware, Appliance or Furniture Dealer

Lines from ... Aunt Lib

Children's Quarrels

FOLKS shouldn't think too lightly of children's quarrels. The troubles sometimes can be pretty terrible. Just lately, I read of a little boy who had shot and killed his brother in an argument over a comic book.

But generally we laugh at their little spats. Once, Jimmy and Tommy were playing with building blocks. Tommy knocked over Jimmy's house. That made Jimmy awful mad, so he wrecked Tommy's house.

Aunt Lib

Little Susie's brother took her doll away. Then he pulled its hair out. And, finally, he threw it on the floor and stepped on it. Seemed like he was bound to do all that he could to torment Susie. So she got hold of a baby puppy that belonged to Tommy and beat it to death.

"How destructive!" said Cousin Em when she heard about it. "Their parents should bring 'em up better."

Generally, Mother gets on the scene before things become that serious. "Now you children quiet down," she says. "Ain't you got any sense at all?"

As they get older, kids' quarrels are harder to handle. A boy may start carrying a knife or pistol. Then try to get other kids on his side and build up a gang to scare whoever they pick a fuss with.

I don't like to listen to the news lately. It worries me—how our country and Russia are acting. Buildin' up a lot of spite at each other.

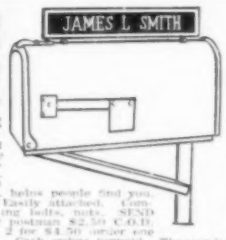
It reminds me of quarreling children. Except, instead of running crying to Mother, each tells the world about it over press and radio.

And the results are likely to be horrible! Instead of kickin' each other's houses over, they'd do it with atom bombs. Instead of dolls and playthings that are wrecked, it's whole populations that are maimed. And property that folks earn their living with.

Too bad there isn't someone to make 'em behave themselves. Some United Nations spokesman to act like the mother did. Someone to tell 'em: "Now quiet down! Ain't you got any sense at all?"

"He probably fell out of a patient!"

YOUR NAME ON MAIL BOX



Beautiful cast solid aluminum name plate. Raised letters both sides. Attractive, dresses up your mail box. Helps people find you. Lasts Lifetime. Easily attached. Complete with attaching bolts, nuts. SEND NO MONEY. Pay postman $2.50 C.O.D. plus postage. Or 2 for $4.50 order one yourself, one for a neighbor. Cash orders prepaid. Thousands sold. Satisfaction guaranteed or money back. Agents wanted. Order from McCONNELL BROS. Dept. D-2, 317 S. 3rd Street, Springfield, Illinois.

TELL THE ADVERTISER that you are writing him through his advertisement in WALLACES' FARMER AND IOWA HOMESTEAD

Begonias are the glamour-flower of any collection. I want all my friends to have them and enjoy their beauty, so I'm making this special friendship offer.

With their waxey petals and large, camellia-like blooms, Begonias are about the prettiest flowers, ever. Once you start growing these beauties, you'll always want some in your garden or window-box. Easy to grow. Fine for those moist spots with a little shade (where most flowers don't do so well).

Along with these four Begonia bulbs, I'm sending a subscription to my magazine "Seed Sense". It's free—and published solely in the interests of all my garden-minded friends. Also, I'm including my big, new catalog. Just send ten cents today, and my special offer, subscription and catalog will be mailed to you, postpaid.

HENRY FIELD SEED & NURSERY CO.
1419 ELM
SHENANDOAH, IOWA

Dear Henry:
Please rush me the four Begonia bulbs exactly as described above . . . together with my FREE subscription to "Seed Sense" and my FREE copy of your big, new catalog. I enclose ten cents for the bulbs.

NAME ADDRESS OR R. R.

POSTOFFICE STATE

Ask Mother, She Knows . . . Clabber Girl is the baking powder with the *balanced* double action . . . Right, in the mixing bowl; Light, from the oven.

Guaranteed by Good Housekeeping

CLABBER GIRL Baking Powder

A Perfect FLOUR . . . A Perfect CARTON . . .

VICTOR ENRICHED FAMILY FLOUR

IN THE HANDY—ECONOMICAL 5 LB. CARTON

YOUR FIRST CARTON WILL PROVE IT TO YOU

Order From Your Victor Dealer Today

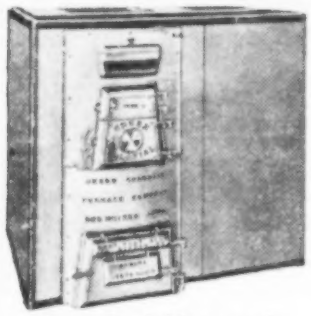
CRETE MILLS, CRETE, NEBR.

—START SAVING NOW THE EASY U. S. SAVINGS BOND WAY—

Green Colonial TOPS FOR CLEANLINESS AND LOW OPERATING COST

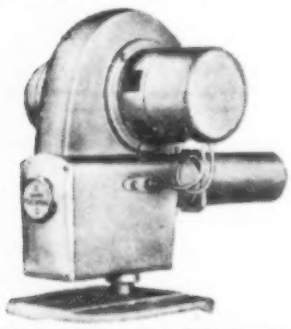
Solve home heating problems with the

ALL-PURPOSE FURNACE



Burn Coal Now and Change to Gas or Oil Later

Economical, Forced-Air Unit. Easily converted from Coal to Gas or Oil. Hand or Stoker Fired.



Replace Wasteful Oil Burners with the NEW Green COLONIAL

ECONO-MISER

INSTALLED IN A FEW HOURS

Save up to 20% in fuel. Clean heating with no bother. Burns all grades domestic and Catalytic fuel oils.

SEND FOR INFORMATION

GREEN COLONIAL FURNACE CO.,
302 S. W. Third, Des Moines, Iowa.

Please send FREE information on Green Colonial ALL-PURPOSE

FURNACE.....ECONO-MISER OIL

BURNER.....

Name .....

Address .....

DON'T SLIP

up on these wonderful frozen **FISH** from the real fishing country. Frozen on the ice as they are caught, from the famous cold:

GREEN BAY FISH CO.

BOX 565 GREEN BAY, WIS.

Famous Green Bay Perch.....50 lbs. $12.00
Dressed Fancy Pak Herring.....50 lbs. 8.50
Dressed and Headless Pickerel.....50 lbs. 12.00
Walleye PIKE (Loose frozen), Dressed and Headless, our special 125 lbs. $33.00

DRESSED AND HEADLESS

Catfish, 50 lbs., $17.00; Salmon, 50 lbs., $21.00; Steak Cod, 50 lbs., $12.00; Sheepheads, 50 lbs., $7.00; Carp, Round Fancy, 50 lbs., $4.50; Headless and Dressed, 50 lbs., $7.50.

Boneless, ready to fry, cello wrapped 1 lb. pkgs. in 10 lb. cartons: Haddock, Ocean Perch, Ocean Pike, Cod, Northern Pike Fillets, your choice $3.40

Salted Flat Lake Herring, 100 lb. Barrel, $19.00
50 lbs. $10.00

SMOKED, SALTED, SPICED, FROZEN FISH AND SEAFOODS. ORDER EARLY

1c per lb. off on orders of 100 lbs. or over

Earliest Tomato

JUNG'S WAYAHEAD has big red fruits ripe as early as July 4th. Regular price 15c per pkt. but to introduce Jung's Quality Seeds we will send you a trial pkt. of this Tomato, Tendercore Carrot, All Cream Lettuce, Earliest Radishes and a large pkt. of

SUMMER GLORY FLOWERS that will bloom from early summer until hard frosts, all for 10c; in Canada 25c.

FREE Our beautiful full color catalog of bargains in Seeds, Plants, Shrubs, Hybrid Corn and Certified Seed Grain. Coupon for rare Premiums in each catalog.

J. W. JUNG SEED CO., Dept. 24, Randolph, Wis.

Mrs. Hazel Andrews, Polk county, Iowa, finds her home freezer useful. A meal can be prepared and frozen, to save time on busy days.

Personal Problems

MARRY, DOUBLE UP OR WAIT?

THIS department gets many letters dealing with problems rising from doubled-up families. Sons take their wives home to live with Pa and Ma; maybe the wife takes her husband to live with her folks.

Other letters want to know if it is better to go ahead with wedding plans, knowing no home can be established, or wait until such time as a separate house can be provided for the young couple.

We can't give definite advice on such problems. Each case is different. We're inclined, however, to paint a rather dark picture for "doubling up," as we know some of the headaches—and heartaches—that so often arise.

The problem is more acute today, with living quarters so hard to find. What, then, of the young couple going right into the family circle to start their married life?

If a terminal goal can be set, I think it's better to wait until a house can be secured. I mean that if, in a year or two, the young man and his father can plan to build, remodel or purchase another farm, with living quarters.

"Wait two years!" the young lovers exclaim. "Impossible! We're in love. We want to marry right now!"

Of course, you do. But this is a case where it is wise to let your head rule your heart. It can work out well: I've known it to.

"But my mother's so good to us. And the girl is so sweet and reasonable," the boy argues.

The two women may be wonderful. But put them together in the same house, day after day, and they may change.

And nothing's really happened to either of these women. It's just that living together has taken off the bloom. Separate them, and in time they'll revert to their old sweet feelings toward each other.

But a young wife feels cheated of something precious if she can't start out with her own things in a place of her own, no matter how humble it may be. She wants the pride of being able to run a house all by herself.

So think of these things. Love's a wonderful thing, and marriage is its finest means of interpretation, but it sometimes pays to take the long view.

It's not a matter of denying yourselves as much as it's a guarantee in the way of happy and smooth-running years ahead.

CHOOSE BETWEEN FRIENDS

DEAR LUCILE: I have a very important problem. It seems as if I am losing all my friends.

I go steady, and spend most of my time with my boy friend; but when I want to go to a movie and he isn't around, if I ask some of my friends to go along, they say they're busy, and so on.

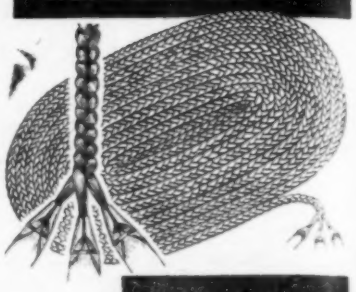
Lately, I've stuck to one girl because she goes with my boy friend's friend. But now she won't go anywhere with me. What can I do to get my friends back?—Desperate.

DESPERATE: I am of the opinion that your friends may feel you're so tied up with a "steady" that you don't need their company.

When a girl deserts her girl friends for a boy friend, she is very likely to lose them. It's usually nothing personal—just that girls who don't go "steady" stick together and are apt to turn cold shoulders to girls that do.

They feel that you're just using them as last resorts, or as second choices, when your boy friend is not available. You'll have to decide which you want—a steady boy friend, or girl friends.

BRAID A RUG IN A DAY FOR A DOLLAR! EVEN A CHILD CAN DO IT!



SET OF 3 METAL BINDERS $1.00

NU-FLEX Braiding Kit

Make colorful, reversible rugs out of your old clothing and blankets! Just cut into strips, and the Nu-Flex metal binders will fold them for you—all you do is braid! No sewing, ironing, or hand-folding necessary! Have fun making bedspreads, shopping bags, chair seats, etc., for gifts and for yourself!

AMAZING NU-FLEX LACER keeps thread invisible—makes rugs reversible—lay flat—only 25¢!

SEND NO MONEY SENT C.O.D.

NU-FLEX CORP., 1133 Broadway, N.Y. 10, N.Y. Dept. WF-1-1

Please send C.O.D. as follows. I'll pay postage.
(If prepaid, we pay postage.)

.....set 3 metal Nu-Flex Binders at $1.00 .....Nu-Flex lacer at 25¢

.....lbs. 100% new wool strips in assorted colors at 95¢ per lb. (5 lbs. minimum)

.....spools of sturdy Nu-Flex Rug Braiding Thread, 100 yd. spool 30¢ ea.

Please PRINT.

Name .....

Address .....

City ..... State .....

☐ C.O.D. ☐ Money Order ☐ Check

FISH

FRESH FROZEN

QUALITY GUARANTEED

	100 lbs.	50 lbs.	25 lbs.
Herring, Round	$10.00	$ 5.25	$ 2.75
Northern Pike	15.50	8.00	4.25
Blue Pike	20.00	10.50	5.50
Walleyed Pike	29.00	15.00	7.75
Halibut	30.00	15.50	8.00
Salmon	40.00	20.50	10.50
Sablefish	26.00	13.50	7.00
			10 lbs.
Rosefish Fillets	28.00	14.50	$ 3.00
Codfish Fillets	31.00	16.00	3.30
Haddock Fillets	36.00	18.50	3.80
Northern Pike Fillets	39.00	20.00	4.10
Baby Pike Fillets	51.00	26.00	5.30
Walleyed Pike Fillets	61.00	31.00	6.35
Halibut Steaks	46.00	23.50	4.85
Salmon Steaks	46.00	23.50	4.85
Smoked Bluefins			2.20
Smoked Sablefish			5.20
Salt Lake Herring	19.00	10.60	2.50
Salt Norway Herring	16.50	9.35	2.25
Salt Holland Mixed	20.00	10.65	2.55
Salt Holland Milkers	21.15	11.20	2.65
Canned Oil Sardines, case 100 cans			$11.00
Canned Mustard Sardines, case 100 cans			11.00

Please remit with order by check or money order. Reference, Wisconsin State Bank, Green Bay, Wis.

Johnson Fish Co., Inc.

GREEN BAY, WISCONSIN

+FISH+

Prices marked down on all first quality winter caught **FISH**. Get your order in now. Perfect weather and wonderful frozen **FISH**.

Silver Salmon Steak.....20 lbs. $12.50
Sheepheads (White Perch).....50 lbs. 7.00
Steak Cod, Headless and Dressed.....50 lbs. 12.00
Northern Pike (Pickerel).....60 lbs. 12.00
Smelt.....25 lbs. 5.00

PIKE Scaled, Dressed, Headless, Skinned. Walleyes, Fancy Pak, 20 lb. Carton, $7.00. 100 lbs., 5 Ctns., $32.00

Ocean Perch Fillets.....10 lbs. $ 3.10
Ocean Pike Fillets.....10 lbs. 3.10
Haddock Fillets.....15 lbs. 5.25
Northern Pike Fillets.....10 lbs. 3.60
Perch (Yellow Lake Perch).....50 lbs. 12.50
Bullheads, Skinned, Blood Red.....50 lbs. 16.50
Herring, Silver, Large.....50 lbs. 6.00
Salted Flat Lake Herring.....100 lbs. 19.00
50 lbs. 10.00

CARP, Round, 50 lbs., $4.00; Headless and Dressed, 50 lbs., $7.50. Large, a treat, at such a low price.

Oysters, Per Gallon.....$ 5.50
50 lbs. of Mullets, $4.50; Smelt, $10.00; Catfish, $17.00; Salmon or Halibut, $21.00.
Shrimps, $20.00; Boneless Lake Perch, $29.50; Boneless Walleye Pike, $29.50; 10 lbs. each. Bluefins, $2.50; Whitefish, $4.00; Trout, $5.00; Chubs, $4.50. All smoked in latest style with new maple wood. A delightful treat ready to eat. Mellow.
Ic per lb. cheaper on all varieties in 100 lb. lots or more. Order from this ad. Boost our 36 years your friendly fish shipper.

MIDWEST FISH COMPANY

230-232 N. BROADWAY BOX 1166
GREEN BAY, WIS.

FOR SALE OR RENT

Highly improved 1,025 acres in Murray County, Minnesota. $125 per acre, easy terms. Additional meadowed land. If rented, operator must have adequate help and equipment and furnish references. For Rent: 330-acre farm at Clear Lake, South Dakota. Other farms for sale or rent. G. Jordan Land Agency, Worthington, Minnesota.

BUY U. S. SAVINGS BONDS NOW

"NO LONGER NERVOUS!"

Famous Cereal Drink Brings Natural Relief

Jittery?... Irritable?... Can't enjoy life fully?... People everywhere—people who once suffered just as you do—have found the answer in switching from coffee and tea to POSTUM.

EXAMPLE: A woman in New York City writes this sincere and moving letter: "My switch to POSTUM has given me a *new lease on life!* I no longer fear the sleepless nights and the nervous tired feeling that made life a bore!"

SCIENTIFIC FACTS: Both coffee and tea contain *caffein*—a drug—a nerve stimulant! So while many people can drink coffee or tea without ill-effect, others suffer nervousness, indigestion, sleepless nights. But POSTUM contains no caffein or other drug—nothing that can possibly cause nervousness, indigestion, sleeplessness!

MAKE THIS TEST: Buy INSTANT POSTUM today—drink POSTUM exclusively for 30 days. See if POSTUM doesn't help you, too, to sleep better, feel better, enjoy life more!... INSTANT POSTUM—A Vigorous Drink made from Healthful Wheat and Bran. A Product of General Foods.

Splendid Cough Relief Is Easily Mixed at Home

No Cooking. Makes Big Saving.

To get quick and satisfying relief from coughs due to colds, mix this recipe in your kitchen. Once tried, you'll never be without it, and it's so simple and easy.

First, make a syrup by stirring 2 cups granulated sugar and one cup of water a few moments, until dissolved. A child could do it. No cooking needed. Or you can use corn syrup or liquid honey, instead of sugar syrup.

Then get 2½ ounces of Pinex from any druggist. This is a special compound of proven ingredients, in concentrated form, well-known for its quick action on throat and bronchial irritations.

Put the Pinex into a pint bottle, and fill up with your syrup. Thus you make a full pint of splendid medicine and you get about four times as much for your money. It never spoils, and tastes fine.

And for quick, blessed relief, it is surprising. You can feel it take hold in a way that means business. It loosens the phlegm, soothes the irritated membranes, and eases the soreness. Thus it makes breathing easy, and lets you get restful sleep. Just try it, and if not pleased, your money will be refunded.

COMMON SENSE.. proved thousands upon thousands of times!

ALL-VEGETABLE LAXATIVE

NATURE'S REMEDY (NR) TABLETS—A purely vegetable laxative to relieve constipation without the usual griping, sickening, perturbing sensations, and does not cause a rash. Try NR—you will see the difference. Uncoated or candy coated—their action is dependable, thorough, yet gentle as millions of NR's have proved. Get a 25c box and use as directed.

Nature's Remedy NR TO-NIGHT TOMORROW ALRIGHT

FUSSY STOMACH? RELIEF FOR ACID INDIGESTION, GAS AND HEARTBURN

EAT LIKE CANDY **TUMS** 10¢ STOMACH DISTRESS

FOR THE TUMMY!

"Old at 40,50,60?" —Man, You're Crazy

Forget your age! Thousands are peppy at 70. Try "pepping up" with Ostrex. Contains tonic for weak, rundown feeling due solely to body's lack of iron which many men and women call "old." Try Ostrex Tonic Tablets for pep, younger feeling, this very day. New "get acquainted" size *only* 50c. For sale at all drug stores everywhere.

Popcorn For Cold Nights

POPCORN and long winter evenings just naturally go together. What can be more chummy than placing a large pan of popcorn in the center of the room? Pass the dishes or sacks and tell the gang to come and get it.

Or turn the kitchen over to the young folks to pop their own corn. Half the fun of popcorn is listening to the muffled bang-bang of the tiny kernels. Boys often pride themselves in turning out a skillet or popper of plump, frilly corn.

The new hybrid varieties of popcorn are easier to pop and more tender. Popcorn contains starch, protein, fat and mineral.

To have tender popcorn, the kernels must have some moisture in them. When storing popcorn, pick out a place that will furnish some ventilation and moisture—such as the back porch or cellar steps. The kernels have the right moisture if they begin to pop in 90 seconds.

When heated over a hot fire, the moisture in the starch cells expands, the air in the grain also expands, and together there is sufficient force to cause an explosion of the hard cell walls. The kernels turn completely inside-out, enveloping the embryo and skin with the swollen starch.

Moisture can be put back in dry kernels by dipping in water and immediately draining off just before popping.

Serve the popped corn the plain and wonderful way, or try some of these recipes:

CRACKER-JACK

2 cups molasses
1 tablespoon butter
⅛ teaspoon soda

Gently boil molasses and butter without stirring, to the hard-boil stage. Stir in soda and pour over popped corn. When thoroly mixed, press mixture into shallow greased pan, smoothing top with greased spatula.

When firm, cut into squares, using a sharp knife dipped in water. Cool. Wrap in waxed paper and store in covered container.

SUGARED POPCORN BALLS

30 cups popped corn
4 cups sugar
2 teaspoons salt
1 cup water
3 tablespoons butter
¼ teaspoon cream of tartar

Turn popped corn into bowl to cool. Boil sugar, salt, water, butter and cream of tartar to a firm ball stage. Remove from heat and pour over corn, stirring until kernels are coated. Butter hands and quickly shape into balls.

MINTED POPCORN

Use same syrup mixture. Add one-half teaspoon of mint flavoring and 15 drops of green vegetable coloring to syrup just before removing from fire. Team up these popcorn balls with pink-tinted lemonade for the kiddies circus party.

For a valentine party, use same syrup mixture and drop 20 red-hots in the hot syrup, pour over corn and press into greased heart-shaped mold while warm and pliable.—R. S., Davis County, Iowa.

IF YOUR NOSE FILLS UP SPOILS SLEEP TONIGHT

DO THIS →

If stuffy congestion sometimes fills up your nose and makes it hard to breathe... put a few drops of Vicks Va-tro-nol in each nostril and get wonderful relief *fast!*

"Ah-h-h!—I can breathe again!"

Instantly—the moment you use Vicks Va-tro-nol Nose Drops—you can feel your stuffy nose open up.

Relief comes so fast and so easy because Vicks Va-tro-nol works *right where trouble is!* It relieves head-cold stuffiness... helps clear out clogging mucus... opens up cold-stuffed nose ... makes breathing easier and invites restful sleep. For ready relief keep a bottle handy.

VICKS VA-TRO-NOL NOSE DROPS

Do you suffer distress from

'periodic' FEMALE WEAKNESS

With Its Nervous, Highstrung Feelings?

Are *you* troubled by distress of female functional monthly disturbances? Does it make you feel *so nervous,* cranky, restless, weak, a bit moody—at such times? Then do try Lydia E. Pinkham's Vegetable Compound to relieve such symptoms! Women by the thousands have reported remarkable benefits.

Pinkham's Compound is what Doctors call a uterine sedative. It has a grand soothing effect on one of woman's most important organs. Taken regularly—Pinkham's Compound helps build up resistance against such distress. It's also a great stomachic tonic! All drugstores.

Monthly Female Pains

Pinkham's Compound is *very effective* to relieve monthly cramps, headache, backache, —when due to female functional monthly disturbances.

Change of Life

If the functional 'middle-age' period peculiar to women makes you suffer from hot flashes, weak, highstrung, irritable feelings—try Pinkham's Compound to relieve such symptoms. It's *famous* for this purpose.

Lydia E. Pinkham's **VEGETABLE COMPOUND**

Relieve Misery of ITCH

Relieve itching caused by eczema, athlete's foot, pimples—other itching troubles. Use cooling, medicated **D.D.D. Prescription.** Greaseless, stainless. Quiets itching fast. 35c trial bottle proves it—or money back. Ask your druggist for **D.D.D. Prescription.**

PROFESSIONAL 7" x 5" ENLARGEMENT 10c

Sensational introductory offer! Send snapshot or negative, this ad, and 10c. We'll send you a beautiful 7x5" enlargement! Or, Kodak roll developed and printed (with free coupon) only 25c; or 8 giant prints from roll, 30c. Reprints from negatives—any quantity—regular size, 3c; Giant size, 4c. Satisfaction guaranteed. Immediate delivery. No delay. Write for Free Mailers, Free Premium offers. **AMERICAN STUDIOS, Dept. 342, LaCrosse, Wis.**

HIGHEST CASH PRICES PAID

For New Goose and Duck Feathers

Send yours to an accredited house. Send sample for price on old feathers. Cash 24 hours later.

WEST CHICAGO FEATHER CO.
4456 W. Fillmore Chicago, Ill.

THIS AD PLUS 35c GIVES YOU 16

Jumbo, oversize, enlarged prints from any 8 exposure roll developed. Enlargement coupon free. Quality and quick service for 19 years.

SKRUDLAND, 6444-F Diversey, Chicago

VALENTINE AND EASTER CARDS from your negative 18 for $1.00. Three prints each 8 exposure roll 40c. Two each 35c. One each 25c. Reprints 3c.

L. I. EASTMAN - - - BODE, IOWA

Photo Finishing. This ad and 25c gets you 10 oversize reprints or 5 4x6 enlargements. JUMBO PRINTERS, Lake Geneva 4, Wisconsin

Save Money, Buy Bonds

Get In On This Great TWO-For-ONE

Extra Chick OFFER!

---made to acquaint you with the superiority of

Famous **ROYAL Chicks**

FOR A LIMITED TIME ONLY:

Order 100 or more Deluxe Royal WHITE LEGHORN, WHITE ROCK, AUSTRA WHITE or LEGHORN-ROCK HYBRID PULLET Chicks @ $21.80 per 100...

Receive an ADDITIONAL 100 Royal Chicks with each order. (Our choice of breed, color and sex.)

We make this unusual short-time offer so you may know, from actual experience (as tens of thousands already know) that Famous Royal chicks have exceptional quality and vigor—grow rapidly to big size—develop into remarkably fine layers or market birds.

Read our remarkable offer, above. Order all your pullet needs now—100, 200, 300, 400 or more—to take advantage of today's high egg prices. And receive, without cost, 100 EXTRA chicks of our choice to give you plenty of early fryers to replace high priced meat. The EXTRA 100 chicks may be the same breed as the pullet chicks you order. Or, if we are short that day, we'll ship some other good breed.

We prepay shipping charges, guarantee live arrival. Send full price or send only $1 and pay the balance plus postage when chicks arrive.

Order Yours Today!

HAMBURG HATCHERY Dept. W Hamburg, Iowa

YOURS WITHOUT EXTRA CHARGE

2 WEEKS FEED SUPPLY

Combine the best feed you can buy—any kind you prefer—with the world's most popular chicks! Available on early orders for Colonial's Best Egg Grade Chicks. Free Catalog brings details. Write today!

97% LIVABILITY in Official Tests by State Agencies, Nebr., Iowa, Ohio, Mo., to 2 to 3 weeks of age, under average farm conditions!

FREE

COLONIAL World's Largest Chick Producer

Do you want BETTER CHICKS for LESS money? Do you want LAYERS? For 19 straight years more people have chosen Colonial Chicks for PROFIT than any other kind! World leadership in number of chicks produced shows prices and breeding are right!

Your Favorite Breed at Its Best
Pedigree Sired—Records up to 336 Eggs

Hens that set world records and won U. S. Egg Laying Contests have contributed their sensational blood lines to Colonial's breeding program. Colonial's best grade chicks give you a flock enriched with GENERATIONS of up to 336 egg blood.

WRITE For CATALOG and BEST CHICK Deal in Colonial's History

Our biggest savings yet on started and day-old pullets, chicks as hatched or sexed. Purebreds or crossbreeds. Write now!

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Blood-Tested Barred, White Rocks, Austra-Whites, Leghorns, New Hampshires, Giants give you choice of breeds for egg or meat profits. Flocks improved by use of pedigree males from 200 to 300 egg hens. Day old and started pullets. 100% live delivery guaranteed—losses over 2% first 14 days replaced. Write for folder, low prices, special offers today.

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All chicks from flocks headed with Pedigreed male birds from dams with egg records up to 303 eggs per year. Big-type Australorps crossed on extra large Leghorns. For lots of eggs, low mortality and greater profits order my top grade Austra-Whites. Personal service and shipped on date promised. 4-Color Brochure FREE!

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Iowa U.S. Certified Chix and Eggs. 20,000 daughters and granddaughters of our ROP hens with records of 200 to 332 mated to ROP males from hens with records of 300 to 354 eggs. 25 years breeding experience. Iowa's largest ROP Leghorn Breeding Farm. Catalog.

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ECONOMY HATCHERY, WARRENSBURG, MO.

When writing to advertisers, will you please mention this paper?

THE FARM FLOCK

LATEST IDEA of eastern poultrymen is completely automatic electric feeders for chicks, broilers or layers. A chain, driven by a geared-down electric motor, moves slowly thru a continuous trough running up and down the middle of the house. At one end, the trough and chain pass thru a hopper to pick up feed. Some of the devices are run continuously, others are turned on and off by a time-clock arrangement.

▲ ▲ ▲

EGG PRICES most years are about a third higher from July thru December than during January-June. That's why early pullets, housed by August, show the best profits. You may find it easier to start April or May chicks, but in the meantime the January-March folks will be taking in the money.

▲ ▲ ▲

JUST HOW MUCH room do your chickens need? The American Feed Manufacturers Association has drawn up a set of minimum standards which have been approved by 47 agricultural colleges. The minimums per 100 birds are: 32 linear feet of feed hopper space; one 8-gallon waterer or equivalent; 50 to 58 feet of roost space; 300 to 400 square feet of floor space; 20 nests.

▲ ▲ ▲

A NEW CONTEST to promote chicken eating is being conducted by the Poultry and Egg National Board and Twentieth Century-Fox, producers of a new movie called "Chicken Every Sunday." Prizes will go to writers of the best essay, slogan or limerick in less than 100 words, on "Why I Like Chicken Every Sunday." Entries must show full name, address, age and telephone number. You also must write your most-desired wish at the bottom of your entry, and enclose a chicken wishbone. Entries should be mailed first-class to PENB, 308 W. Washington St., Chicago 6, Ill.

TWICE AS MANY EGGS per hen as the Iowa average were laid last year by Raymond Fisher's flock of Austra-Whites and hybrids in Greene county, Iowa. The Fisher flock averaged 263 eggs per hen, to top the Iowa demonstration record flock program.

▲ ▲ ▲

FOWL OR RANGE paralysis (leukosis) probably causes more poultry losses than any other disease, claims South Dakota State College. There are five forms of the disease, affecting nerves, eyes, internal organs, bones and blood. The nerve type, causing paralysis, is most familiar to poultrymen. A second type, causing gray-eye, also is fairly common. Big liver is one result of the form affecting internal organs. Bone type causes leg and wing bones to enlarge. And blood type makes birds thin, weak and pale. A sick chicken may have one or all three forms of paralysis.

▲ ▲ ▲

EXACT NATURE of leukosis isn't too well known. Some think it's caused by a virus, tho they aren't sure. Experiments have shown that it might be infectious. And it seems to be inherited and can be transmitted thru the egg. Best ways to control the disease are: Get chicks from healthy flocks; eliminate birds showing any leukosis symptoms; house and yard birds in clean, sanitary quarters; take precautions to see that the disease isn't carried from one farm to another.

▲ ▲ ▲

A FEW MINUTES spent checking your brooder equipment might save you a lot of grief. Look for bare, exposed wires and poor connections in electric brooders. Leaking pipe connections, soot-caked burners and sticking thermostats in oil brooders should be fixed now. A brooder house fire could mean much time and money lost.

Frozen Fish, Fruits and Vegetables

FISH

Erie Perch	25c lb.
Headless and dressed Baby Halibut	30c lb.
Halibut Trimmings	15c lb.
Headless and dressed Salmon	40c lb.
Dressed Yellow Pike	35c lb.
Dressed White Fish, Superior	35c lb.
Rock Bass	30c lb.
Headless and gutted Whiting	16c lb.
Dressed Lake Trout	45c lb.
Skinned Jumbo Bullheads	35c lb.
Mackerel	25c lb.
Baby Pike	25c lb.
SPECIAL Jumbo Smelt—Packed 10 lb. Ctns.	26c lb.
Shrimp—Packed 2½ lb. tins	65c lb.
Shrimp—Packed 1 lb. packages	60c pkg.
Shrimp—Packed 12 oz. packages	58c pkg.
Scallops—Packed 1 lb. packages	70c pkg.
Standard Oysters—Packed in pints	65c pt.
Select Oysters—Packed in pints	75c pt.
Gorton's Cod Fish, Salted—Packed 12 lb. cartons	45c lb.

FILLETS
Packed 10 lb. Cartons

Perch Fillets	28c lb.
Haddock Fillets	33c lb.
Cod Fillets	28c lb.
Pollock Fillets	24c lb.
Flounder Fillets	40c lb.
Yellow Pike Fillets	60c lb.
Blue Pike Fillets	55c lb.
Bayfish Fillets	25c lb.

SMOKED FISH
Packed 5 lb. Cartons

Chubs	55c lb.
Blue Fins	35c lb.
Sablefish	60c lb.
Boneless Herring (10 lb. cartons)	34c lb.

FROZEN FRUITS
Sweetened

Apricots—Packed 10 lb. cartons	18c lb.
Pineapple—Packed 4 lb. cartons	20c lb.
Peaches—Packed 10 lb. cartons	18c lb.
Grapefruit Juice (Unsweetened)—Packed 2 lb. cartons	12c lb.
Strawberries—Packed 6½ lb. tins	38c lb.
Black Cherries—Packed 1 lb. cartons	22c pkg.
Prune Plums (Unsweetened)—Packed 12 oz. cartons	14c pkg.
Pineapple, Crushed—Packed 1 lb. cartons	23c pkg.
Peaches—Packed 1 lb. cartons	25c pkg.
Cantaloupe or Honey Dew Balls (Unsweetened)—Packed 10 oz. cartons	25c pkg.
Sliced Apple—Packed 30 lb. tins	12c lb.
Cherries, Red Sour, Pitted—Packed 30 lb. tins	22c lb.

FROZEN VEGETABLES

Asparagus Cuts and Tips—Packed 2½ lb. cartons	39c lb.
Broccoli Cuts—Packed 5 lb. cartons	24c lb.
Brussels Sprouts—Packed 2 lb. ctns.	38c lb.
Lima Beans, Green, Ford Hook—Packed 2½ lb. cartons	35c lb.
Peas—Packed 5 lb. cartons	23c lb.
Spinach—Packed 2½ lb. cartons	23c lb.
Asparagus Spears—Packed 12 oz. packages	45c pkg.
Brussels Sprouts—Packed 10 oz. packages	33c pkg.
Mixed Vegetables—Packed 12 oz. packages	20c pkg.
Broccoli Spears—Packed 10 oz. packages	26c pkg.
Peas—Packed 12 oz. packages	20c pkg.

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Layer-Broiler Plan Set

A TWO-broods-a-year plan for raising pullets and a separate batch of broilers with the same equipment will be tried out in Iowa this year under the direction of Iowa State College.

Dr. R. E. Phillips, head of the poultry section of the Iowa experiment station, has lined up several flock owners who will follow the program in 1949.

The "double-up" system is radically different from the usual farm flock system. It calls for very early brooding of straight-run chicks for the laying flock, then raising a second brood of broiler chicks while the pullets are on summer range.

Biggest change from ordinary Iowa practice is that pullet flocks would lay for just six months, then be sold to make room for the next year's early chicks.

The idea is to make full use of poultry buildings and equipment, add to income by raising some extra meat birds, and concentrate egg production in the high-price period of the year.

Here's Doctor Phillips' plan in detail:

1. Start straight-run chicks in January, using your laying house to brood them.

2. Move pullets to good grass range in April, housing them in range shelters. Sell cockerels and cull pullets as friers or broilers.

3. Clean out the house and buy excess cockerel chicks to raise as broilers.

4. Sell the broilers in July, when they're three months old.

5. Clean up the house again and bring in the pullets from range.

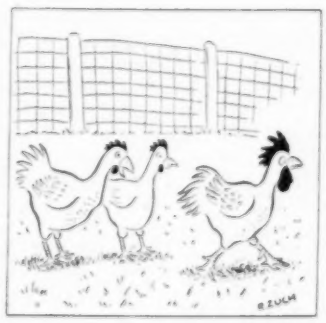
6. Produce eggs until the end of the year, then sell the pullets so you can start another brood of January straight-run chicks.

Under this program, one good chicken house, with simple range shelters, takes care of both broods of chicks and the laying flock.

All eggs are produced during the six months from July thru December, when egg prices are highest.

And that summer batch of broilers, while it might not make as much money as the spring friers, should bring a fair return.

Folks who already have a good brooder house as well as a laying house can follow the same system with variations. The January brood could be started in the brooder house and the pullets be kept in the laying house a few more months.



"Some day he's going to get it in the neck."

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You wouldn't consider planting open-pollinated corn this year. Don't sacrifice poultry profits by raising ordinary "open-pollinated" chicks.

Take advantage of Hy-Line's controlled heredity in these qualities:
- High egg yields under farm conditions
- Good resistance to many adverse conditions
- High feed efficiency per dozen eggs laid

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Alexander	Alexander Hatchery
Buffalo Center	Grotewold's Farm Store
Clarinda	Farmers' Produce & Hatchery
Cedar Falls	Hurlburt Hatchery
Coon Rapids	Rippey-Miller
Council Bluffs	Council Bluffs Hatchery
Denison	Tenhulzen & Sons
Des Moines	Hy-Line Poultry Farms
Dyersville	Lammers Hatchery
Grinnell	Rudkin Hatchery
Indianola	Allen's Blue Ribbon Hatchery
Jewell	Jewell Hatchery
Lake Mills	Grotewold's Farm Store
LeMars	LeMars Hatchery
Malvern	Wilson Hatchery
Marcus	Dorr Hatchery
Marengo	Marengo Hatchery
Marion	The Gordon Hatchery
Mason City	Hy-Cross Hatchery, Inc.
McClelland	McClelland Hatchery
Mount Ayr	Prentis Hatchery
Mt. Pleasant	Baxter Hatchery
New Sharon	Goodman Hatchery
Rockford	Trettin Hatchery
Sac City	Sac City Hatchery
Schleswig	Tenhulzen & Sons
Sheldon	DeJong & Fedders Hatchery

IN IOWA (Continued)

Town	Name of Hatchery
Sibley	Houghton Hatchery
Spencer	DeKoster Hatchery
Washington	Washington Chick Co.
West Union	Buckley & Kretzinger

IN MINNESOTA

Town	Name of Hatchery
Alexandria	Paul Bunyan Hatcheries
Cokato	Oakwood Hatchery
Glencoe	Hy-Cross Hatchery
Owatonna	Hy-Line Hatchery
Redwing	Redwing Chick Co.
Sleepy Eye	Sleepy Eye Chick Co.
Stewartville	Stewartville Hatchery
Wells	Walnut Lake Hatchery

IN NEBRASKA

Town	Name of Hatchery
Lincoln	Roscoe Hill Hatchery

IN SOUTH DAKOTA

Town	Name of Hatchery
Sioux Falls	Sioux Valley Hatchery
Watertown	Lakeview Hatchery

IN ILLINOIS

Town	Name of Hatchery
Joliet	Corn Belt Hatcheries, Inc.

If no hatchery listed is in your community, write direct to:
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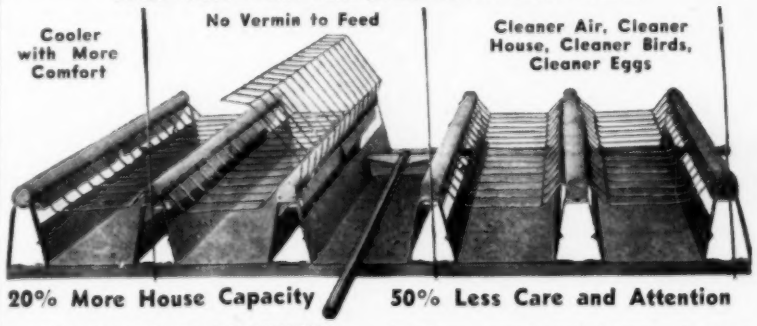

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(Fins trimmed off) PRICE PER BOX $10.75
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Wall-eyed Pike	Round	91c
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NORTHERN PIKE, Dressed & Headless		21c
OCEAN PIKE, Dressed, Hdls. & Scaled		19c
RED ROCKFISH (Ocr), Drsd. & Hdls.		19c
STEAK COD, Dressed and Headless		21c
PACIFIC WHITE LING, Drsd. & Hdls.		23c
HADDOCK, Dressed and Headless		23c
SABLEFISH, Dressed and Headless		25c
FLOUNDERS (Also Fins Trimmed off)	Dressed and Headless	24c
HALIBUT		35c

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Even More of a boost in spring litters than the Iowa average is planned by Don Clark (left), Crawford county, Iowa. He is holding 20 gilts for spring farrow, compared with only 14 last year. Estimated average increase for Iowa is 20 per cent. Here, Clark and Trucker Don Pockett make up a load of 225-pounders for market.

Save Your Life!

You Can't See With A Glass Eye

Being Safety-Minded Doesn't Do Much Good Unless You Learn To Follow Thru

Here is a true story, told (with just the names changed) by N. J. Wardle, farm safety specialist at Iowa State College:

"WHERE are you going to work this morning, Tim?"

"I'll be in the shop for a couple of hours. Then I'm going to grind some feed," was Tim's answer to Helen's usual morning question.

When they were first married, Tim had tried to evade the morning quiz by saying, "Oh, I'll be around," or "Out in the field."

But Helen had insisted on an answer — even after he promised not to run away. She often came out to see what he was doing, too. At first, Tim had resented this—thought she didn't have confidence in him.

But now he looked forward to her visits. And on those rare days when she didn't show up once or twice, he missed her.

Tim was thinking of these things as he busied himself about the shop. For an hour, he worked industriously on the cultivator.

Then, as he went to take off one of the shovels, the bolt wouldn't budge. He got a cold chisel to cut off the head. He noticed the chisel's mushroomed head and remembered how the high school shop instructor had warned of bad eye accidents when using such tools.

So he took the chisel to the grinder to straighten up the head. Then he remembered another safety rule:

"You can eat with false teeth, you can walk on a wooden leg, but you can't see with a glass eye."

Tim looked in vain for the goggles. Oh, well, he thought, I'm adopting one safety practice today by removing the mushroomed head of a chisel. Tomorrow, I'll hunt up the goggles.

He started the grinder and put the edge of the chisel head against it. There was a mass of sparks and a searing pain in his right eye. He could feel a trickle of blood running down his face.

Tim felt weak: he thought he would faint. With an effort, he found the switch, turned off the motor, then sank in a painful heap on the floor, his face in his hands. "If Helen would only come now!" he thought.

It seemed a long time, but he knew it was only a few short minutes until he heard steps outside and Helen's call:

"Tim, are you still here?"

Yes, Tim lived; the doctor even saved his eye. But he will carry a lifetime scar—and it was more than two months before he could use the eye.

We all try to do the safe thing, just as Tim did when he decided to grind the chisel. But it's the follow-thru that counts. It doesn't make sense just to remove the first hazard and then use an unsafe practice.

To make your farm safe, you must:

1. Develop the ability to recognize hazards.
2. Eliminate the hazards which can be removed—as Tim was doing by repairing the chisel.
3. Conduct yourself so you can live safely with the hazards you can't remove — such as wearing goggles at the grinder.

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GOOD FARMING PAYS
New Patent Greatly Improves Work

New
WESTERN SPROCKET PACKER & MULCHER
It pulverizes, mulches and firms soil deep as plowed BETTER THAN EVER BEFORE. Saves time, labor and horse-power preparing ideal seedbed. Leaves surface mulch without grooves, which greatly helps to prevent washing. This seedbed conserves moisture, saves seed because more of the seeds grow; and helps to increase yields of all crops. Great also for rolling in clover and grass seed and breaking crust on winter wheat in spring. Find out why it does the work so much better, easier and faster. Be sure you get the genuine WESTERN. Write for Catalog and freight-paid prices direct to you.
Western Land Roller Co., Box 884, Hastings, Nebr.

NEW! AXLE & WHEELS $26.35 Minus Tires & Tubes 100% with Order Bal. C.O.D.
BUILD YOUR OWN TRAILER
Immediate delivery!
Ideal for building stock and boat trailers, spray carriers, feed, fence, post, horse or general utility trailer, and for mounting under elevators.
Timken bearings, 59" tread, 16" demountable wheels, solid steel 1½" sq. axle. Cap. 4,000 lbs. (Ask about wider tread widths.) Stub assemblies also available. Order from ad.
Dept. 4A DEALERS! Write for Discounts
Standard Equipment Co., Cedar Rapids, Iowa

HEADQUARTERS FOR TRACTOR PARTS
MOST ALL MAKES.
Send for Free 76-Page 1949 Catalogue.
ACME TRACTOR SALVAGE COMPANY
LINCOLN, NEBRASKA

WORMY PIGS? Doctor Hinrichs' Hog Powder. Fed in feed. No starving. 5 lbs., $3 Postpaid.
HINRICHS REMEDY CO., WALCOTT, IOWA

NO UPKEEP COST with a KOROK SILO

Your first cost need be your only cost when you invest in a Korok Silo. Made of copper bearing special coated steel . . . vitrified shale tile . . . asphalt mastic . . . vermiculite . . . Redwood—five materials that will endure for generations. Triple sealed joints save valuable feed—and it's good for hay silage, too. Get the full story.
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762 Vandalia St., St. Paul 4, Minn.
Please send KOROK SILO booklet.
Name
Address

Weeds 2,4-D Will Kill

WEEDS react differently to 2,4-D. Some are easy to kill when young, not so easy when older. Some can be killed without hurting crops. With others, you have to kill the crop to get the weeds. Here's how Iowa State College classifies weeds and their reaction to 2,4-D:

VERY SENSITIVE (Easy to kill with proper timing, even with small dose):

Marsh elder, beggars lice, black medic, jewel weed, mustards, goats beard, Jerusalem artichoke, perennial sunflowers, wild morning glory, buck horn, bull thistle, burdock, catnip, chicory, cinquefoil, ground ivy, dandelion, sourdock, evening primrose, heal-all, blue lettuce, wild licorice, moon seed, mouse-ear chickweed, stinging nettle, plantain, sumac, Virginia creeper and walnut.

SENSITIVE (Fairly easy to kill with proper timing, tho some may need second treatment):

Annual sow thistle, wild vetches, wild cucumber, yellow star thistle, button or velvet weed, cocklebur, false flax, penny cress, shoo-fly, galinsga, hemp, jimson weed, burning bush, pepper grass, pigweeds, prostrate vervain, wild radish, small ragweed, giant ragweed, wild carrot, chick weed, mullein, wild parsnip, pasture thistle, field thistle, yellow rocket, creeping Jennie, figworth, dogbane, wild four o'clock, goldenrod, tarweeds, hoary vervain, perennial peppergrass, whorled milkweed, rosin weed, smooth dock, wild rose, red sorrel, wild strawberry, yarrow, water hemlock, Austrian field cress, elders, poplars, box elders, black birch, cottonwood, wild cherry, wild grape, hazel brush, honeysuckle, lead plant, wild plum, poison ivy, and most species of willow.

SEMI-RESISTANT (Can be killed with maximum safe dosage, proper timing, extra treatments):

Bedstraw, wild buckwheat, dodder, lambs' quarter, know grass, prickly lettuce, round leafed mallow, dog fennel, purselane, Russian thistle, shepherds purse, smart weed, speedwell, wild aster, horse nettle, ox-eye daisy, wild onion, leafy spurge, wormwood, Canada thistle, perennial sow thistle, vervains, buttercup, cattail, hounds tongue, pokeweed, wild garlic, elm, black locust, buckbrush, and mulberry.

RESISTANT (2,4-D not recommended for control):

Annual established blue grass, barnyard grass, black nightshade, night flowering catchfly, foxtail, crabgrass, downy brome grass, goose grass, sandbur, squirrel tail grass, little barley, bouncing Bet, white cockle, wild groundcherry, horse nettle, milkweed, dropseed grass or nimblewill, violets, ash, blackberry, dogweed, raspberries, osage orange, red cedar, skeleton weed, butter and eggs, Bermuda grass, bittersweet, climbing milkweed, wild ferns, pantstemon, Russian knapweed, quack grass, wood sorrel, devil's shoestring and Johnson grass.

A PROFITABLE HARVEST STARTS WITH HAWKEYE BRAND SEED!

Midwest farmers have been depending on Hamilton's Hawkeye Brand seed for 80 years . . . seed which is processed and tested by a qualified staff to assure top germination and top quality. Plant your fields for maximum profit in 1949 by ordering Hawkeye Brand seed now. The most modern research methods are combined with scientific processing to protect your profits. You'll find your Hamilton dealer qualified to advise you about the purchase of the Hawkeye Brand Seed best suited to your soil. Join the thousands of wise farmers who will enjoy greater yield and increased profits this year by ordering your Hawkeye brand seed now from your local dealer.

You are invited to hear "The Wayne King Show" each Sunday afternoon at 12:30 over WMT—600 on your dial

SINCE 1869 THE Hamilton COMPANY
MAIN PLANT: CEDAR RAPIDS, IOWA
BRANCH: FORT DODGE, IOWA
Pres.: Henry J. Kling—Secy.: G. S. Bjelland—Treas.: LeRoy H. Kling
Formerly: HAMILTON SEED & COAL CO.

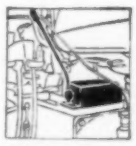
ROAD GEAR
FOR OLD MODEL JOHN DEERE A OR B
FOR FARMALL F-20, F-30 & REGULAR MODEL

NEW Behlen GEAR BOX

Here it is . . . a real speed gear for these fine old tractors. Go 9 and 15 m.p.h. on your old model John Deere A or B with a New Behlen Gear Box. Two separate, additional speeds. On Farmall F-20, F-30, or Regular Model, you can do 14 to 15 m.p.h., or if you prefer, you can have 10 m.p.h. gear box for the F-20 or Regular Model. Installed with or without Lift-All Pump.

Behlen Gear Box really cuts tractor time. No more tiresome inching along when you can use speed. Helps do many more jobs in a day. Ideal for bucking hay, rotary hoes, long hauls, etc. Does not interfere with present gears. Bring your old tractor up-to-date with a New Behlen Gear Box.

Close-up of Behlen Gear Box on John Deere.



For Farmall H or M—Useful Middle Gear
Equip your H or M for all 'round work. New Behlen Gear Box adds handy in-between speed of 10 m.p.h. Not too fast, not too slow for many field jobs. If you prefer, you can have 7 m.p.h. gear box.

Write today for literature, where to buy. In writing, please indicate tractor you are interested in.

Behlen Manufacturing Co., Dept. 702, Columbus, Nebr.

Reading the Advertisements . .
—tells you what to buy and how to get most value for every penny spent. A dozen needs arise on your farm every week. Knowing which machine, which tools, which automobile, which suite of furniture, which cooking fuel is the best for the price you pay, will save money otherwise thrown away. Perhaps as little as twenty-five cents a week—perhaps a hundred dollars a single purchase.
Wallaces' Farmer and Iowa Homestead
DES MOINES, IOWA

Behlen Hand-Hydraulic
WAGON DUMPER

Here's a handy dumper! Takes only 90 seconds to dump heaviest loads. A boy can do it, like jacking up your car.

Dump anything — *anywhere!* Wagon box raises plenty high (see photo). Wheels stay on ground. No need to unhitch horses or tractor.

Behlen Hydraulic Wagon Dumper fits most all wagons. Reasonably priced. Thousands in use. Full particulars in FREE illustrated folder. Fill out coupon now!

Behlen Mfg. Co., Columbus, Nebraska

DON'T WAIT! MAIL TODAY!

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MANUFACTURING CO.
COLUMBUS, NEBR., DEPT. 312

Gentlemen:
Please send me FREE illustrated folder on Behlen Wagon Dumper, and name of conveniently located Behlen dealer.

Name_____
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FEED *Fresh* ROLLED GRAIN

* IMPROVE DIGESTIBILITY
* ELIMINATE WASTE
* CUT FEED COST

Farnam
FARM-SIZE
GRAIN ROLLER
ROLLS CRACKS CRUSHES
ALL SMALL GRAINS

AVOIDS DUSTING!

Cut your feed bill up to 50%! Improve feeding results! Every bushel of rolled feed produces more growth, more meat, more milk. Animals prefer coarser, dust-free, easily digested rolled grains, and eat it more readily. Rolling eliminates waste and digestive disorders due to dusting . . . requires less power, less labor, less time. With a low cost Farnam "Farm Size" Grain Roller you can roll grain as you need it and feed it fresh rolled, full of nutritive value.

10-DAY *Free Trial Offer!*

Try the Farnam "Farm Size" Grain Roller at our risk! Write for descriptive literature and details of our 10 DAY "Free Trial" offer.

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A CALF FOOD Made from Butter MILK

Save whole milk • Grow big, thrifty calves • Wean calves from whole milk at 10 days of age • *Order Kaff-A from your milk hauler or feed dealer, today.*

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CONSOLIDATED PRODUCTS CO. • DANVILLE, ILL.

SAVE UP TO $100 — BUILD YOUR OWN FLARE TYPE WAGON BOX with

Complete Kit And Instructions only $19.95 Iowans Add Sales Tax

See your dealer or order direct
ROCKLIN MFG. CO. Sioux City 7, Iowa

SERVICE BUREAU

The Sign of $50 REWARD WALLACES' FARMER SERVICE BUREAU *Protection*

Tenant Can Take Fixtures

To the Editor: I am moving from the farm I rent. Can I remove from the farm some fence and house fixtures that I installed?—D. B., Pottawattamie County, Iowa.

As a tenant, you have the right to remove any fixture which you installed on the premises, provided it can be removed without damage to the landlord's premises and before the lease expires.

This would apply to storm windows, temporary fences, brooder houses, etc., even tho the latter are wired for electricity.

Land Tax Credits To Be Paid

To the Editor: Now that the Iowa supreme court has upheld the land credits law, can I get a refund on any school tax of more than 15 mills paid in the last few years? Does it mean I won't have to pay more than 15 mills in the future?—T. J., Sac County, Iowa.

The agricultural land credits law, passed in 1945, provides for giving tax credits to owners of 10 acres or more where general school rates are more than 15 mills.

The law applies only to taxes for general school funds, not to taxes for building purposes. And it doesn't guarantee to hold taxes to 15 mills, because the legislature might not appropriate enough money to make that possible.

But it does say that any appropriation under the law will be divided up among land-owners whose tax rate is more than 15 mills.

At first, it was necessary to apply for the school tax credit, just as you apply for homestead credit. But that has been changed, and county officers now are required to allot the credit to eligible taxpayers.

No credits have yet been given, because the law has been under question in the courts. Meanwhile, the legislature has appropriated $4,500,000 to pay credits in high-tax districts for 1946, 1947 and 1948.

Now that the law has been declared constitutional, this money will be prorated to those who paid more than 15 mills in those years.

State Comptroller Ray Johnson figures the fund is big enough to refund each land-owner about 36 per cent of the tax above 15 mills paid in 1946, and a much higher percentage for 1947 and 1948.

You don't need to make application for the refunds. If your general school tax rate has been more than 15 mills in the last three years, you'll get your credit automatically as soon as the refund machinery gets going.

Tenant Will Not Sign Lease

To the Editor: Our tenant puts off signing the lease. I told him in September he could stay. The lease is at the bank, but he hasn't signed it. Must he stay and farm the land? — Mrs. H. A., Cherokee County, Iowa.

Unless the tenant gave you notice on or before November 1 that he would not stay on the farm for another year, he is bound to stay. The rental and terms of payment would be the same as for the last preceding year, in the absence of a new lease.

There is no way you can force him to sign a lease, but he is bound without one, anyway.

Farm Hand's Extras Not Reported

To the Editor: Does a farm hand report as income such extras as rent, milk, garden produce, etc.? — Mrs. J. M., Tama County, Iowa.

If a farm hand must live on the farm in order to do the work, then he has to report only the cash wages received.

Save Time and Taxes

....by sending us your postcard request for

FREE BULLETIN

....on how to figure farm income taxes. Prepared by the Extension Service, this free booklet describes money-saving changes in the revenue laws. Gives actual samples to show you exactly how to make your tax return.

Just write: "Send me your free income tax booklet." Address your postcard to:

EDITORIAL DEPARTMENT

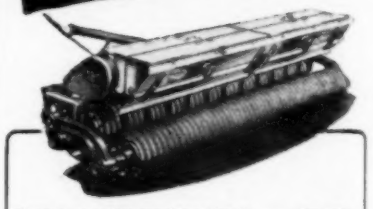
Wallaces' Farmer and Iowa Homestead

DES MOINES, IOWA

YOU WON'T BELIEVE IT UNTIL YOU SEE ONE

Brillion SURE STAND GRASS SEEDING PULVERIZER AND PACKER

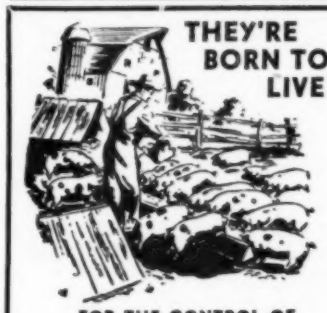
JUST WHAT YOU'VE BEEN WAITING FOR.....



There's no other machine like it . . . . It's the new, entirely different grass seeding pulverizer and packer . . . The only machine that is two seeders in one plus a soil pulverizer. See how it saves you seed (5 to 8 lbs. per acre), hours of hard labor (just once over the field and you have a mulched seed bed without lumps or hard clods) . . . and all these add up to soon paying its initial cost. But, best of all, you will have a good catch—a sure stand . . . for many seasons, because it's made to last . . . to "take" today's high tractor speeds.

Just think! With the model illustrated you can seed legume and brome at the same time . . . truly "two seeders-in-one". And, there's the single box model that seeds legume only . . . we'll gladly tell you about it, too. Write for folder, and the name of your nearest dealer where you can see the BRILLION SURE STAND.

BRILLION IRON WORKS, INC.
BOX 219 BRILLION • WISCONSIN



THEY'RE BORN TO LIVE

FOR THE CONTROL OF

Swine Dysentery
(Bloody Scours)

—USE—

NOCTOL

Noctol Tablets dissolve in the drinking water. Will not corrode metal containers. Improvement usually noted in 24 to 48 hours.

M & M Livestock Products Co.
DEPT. W-1 CLARION, IOWA
Manufacturers of Drug, Trace Mineral and Vitamin Compounds for Livestock and Poultry.

*Noctol formerly called Stoctone—change in name only—same reliable formula.

NEW SEED OATS

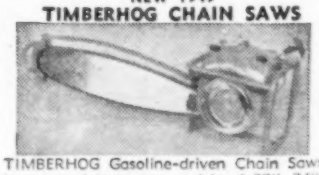
REAL OATS NEWS. Write for Picture Facts & Crop Reports Proof on GREAT NEW CANADIAN BEAVER OATS. Took Grand Champ. Int'l Grain Show '46 & '47. High yield and quality is what you want. Some yields running 90, 95, 105, 110 up to 120 & 127 bu. per A.
WHY SUCH YIELDS? (1) Disease resistant, stiff straw, stood where many others went flat. (2) Long heads. (3) Heavy stooling, deep roots. Result: high yields & profit. Also New Iowa Exheavy Colo & Mindo Early Minn. out-stander, Benton & Clinton. Looking ahead now can mean extra real cash next fall. New Montcalm Barley & New N. D. Mida Spring Wheat. Free samples postpaid.

NEW SOY BEANS

Lavender Special, Pods 3 & 4 Seeded. Won 3 A. Ia. Yield Contest, '46 & '47. Yields up to 35, 37, 40, 43½ & 45 bu. per A. Supplies limited. Free samples postpaid.

Wm. Galloway & Sons Co.
Box WF-19A Waterloo, Iowa

NEW 1949
TIMBERHOG CHAIN SAWS



TIMBERHOG Gasoline-driven Chain Saws in one and two-man models of 20", 24", 30" and 36" cutting capacities...equipped with long life, chrome-plated chains . . . guaranteed rebuilt saws at reduced prices. See nearest dealer or write direct to:

REED-PRENTICE CORP.
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HIGHEST CASH PRICES
For new and used goose and duck feathers. Ship to
MIDWEST FEATHER CO.
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SAVE YOUR BACK!
CUT COSTS and SAVE LABOR with
MULKEY'S
All-Steel Portable BALANCED ELEVATOR
for
• BALED HAY
• Ear Corn, etc.

Basic Length 24 ft. 17½ ft. Max. Lift 8' & 14' Extensions Clutch and Brake extra.
Available in Flare or Straight-sided Design

• Handles hay faster than 4 men can barn it.
• One man can handle and operate.
• Winch assembly easily and quickly raises elevator with extensions.
Write for FREE Literature and Prices.
SAM MULKEY COMPANY
1621-G Locust Street Kansas City 8, Mo.

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SINCE THEY WERE BABIES—THE QUINTUPLETS
always used this for coughs of
CHEST COLDS
The Quintuplets have always relied on Musterole to relieve coughs, sore throat and aching muscles of colds. No other rub at any price gives faster relief! Musterole also helps break up painful local congestion.
In three strengths: Child's Mild Musterole, Regular and Extra Strong for grown-ups. Buy it *today!*
Child's Mild
MUSTEROLE®

NOW... drive in absolute comfort!
WARM SEAT
FITS ALL TRACTOR MAKES AND MODELS

EASY TO INSTALL
KEEPS YOU WARM IN THE COLDEST WEATHER
Order today. Motor water heats seat. Heat control. Opening for experienced Farm Salesmen. Write
TRACTOR WARM SEAT CO.
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CEDAR RAPIDS, IOWA

Ideal for
SOIL CONSERVATION
The Original and Genuine

K-S Rotary Scraper
Build terraces, dams, fill gullies, etc., so much easier, faster and cheaper. Load, unload, spread, dump, bulldoze backward without stopping. One man and any farm tractor does all. ½-yard and ¾-yard sizes. 2 models. Insist on genuine K-S—more used than all others combined. And Lower Priced! Prompt delivery from your dealer or direct from factory.
WRITE today for free folder and very Low Prices.
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Why continue to suffer without attempting to do something? Write today for New Booklet — "THE LIEPE METHODS FOR HOME USE." It tells about Varicose Ulcers and Open Leg Sores. Liepe Methods used *while you walk.* More than 40 years of success. Praised and endorsed by multitudes.
FREE BOOKLET
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BROWER PIG BROODER
ELECTRIC SAFE

One pig saved pays for it at today's prices. Dependable Nichrome Airflow heat elements. Economical. Strongly built. Ample for largest litter. Also use as lamb or chick brooder. Order now!
ONLY $14.80 F.O.B.
Pilot Light—All Steel Thermostat—Thermometer
BROWER MFG. CO. Box 8366, Quincy, Ill.

U. S. SAVINGS BONDS ARE SAFE

Back Home is electric welder stolen from Service Bureau Member Milford Johnson.

Quick Work Nabs Welder Thief

Milford Johnson, Polk county, Iowa, farmer, has received a $50 reward from Wallaces' Farmer and Iowa Homestead Service Bureau.

Payment was made to Johnson for his part in the arrest and conviction of Claud LaVerne Engel on a charge of stealing an electric welder from the Johnson farm. The welder was taken while the Johnsons were at church, Sunday morning, October 31.

Johnson missed the welder and notified the sheriff in Des Moines. The following Thursday, detectives spotted the welder in a second-hand store in Des Moines.

The next morning, Johnson identified the welder at the store in Des Moines. And from a description of the man selling the welder, he picked a man who fit.

He was Claud Engel, who worked for a neighbor, Ora Hildreth. Engel had worked on the Johnson place, and knew that they would be at church Sunday morning. He also knew where they kept the welder.

Engel was arrested the same day. He admitted taking the welder, and on Saturday morning was sentened to five years by District Judge C. Edwin Moore.

Less than a week had gone by since the theft of the welder was committed.

Is Sale Of Breeding Stock Taxable?

To the Editor: Is there any income tax exemption on sale of breeding stock to neighbors? — H. D., Lyon County, Iowa.

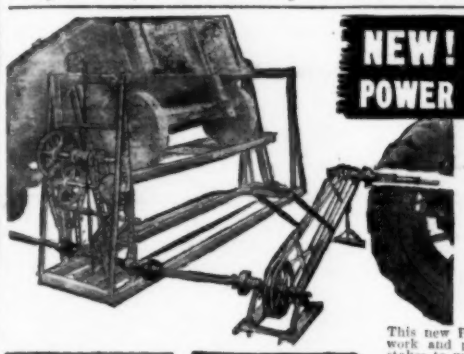
Breeding stock that you raise to sell to others does not come under the capital assets rule, and therefore you can't pay tax on only 50 per cent of the value. Breeding stock is your product, and is treated as ordinary income.

The capital assets rule applies to breeding stock that you use on your farm to raise livestock. You must have held the stock more than six months, and the animals must be sold for the purpose of reducing the herd or changing the breed or quality of livestock.

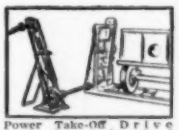
BUY NOW FOR SPRING BUILDING

Unloading clay face tile on his farm, this farmer is one of many in Iowa who are wisely looking ahead to spring building. Brick and tile plants in this region are running full production throughout the winter making possible reasonable prompt delivery of clay face tile during the winter months. Tremendous demands for Structural Clay products in the spring will again cause unavoidable delays in delivery. Because clay face tile won't burn, won't rot and is unaffected by weather there is no problem of storing this material on the farm until ready to build. Ask your local lumber dealer about getting winter delivery of everlasting, economical clay face tile for better farm buildings. Write for free booklets: ☐ Plans for Modern Clay Tile Farm Buildings. ☐ Tile Drainage for the Farm. Dept. W115, Structural Clay Products Institute, Ames, Iowa.

NEW! Farmer's Friend POWER TAKE-OFF DRIVE



DUMP YOUR LOAD in HALF THE TIME
MAKES YOUR GRAIN ELEVATOR JOB . . . EASIER, FASTER, SAFER



Power Take-Off Drive easily flips back out of the way for tractor and wagon to pull in or out.

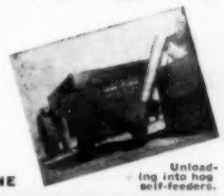
Power Take-Off Drive flips into position on adjustable stand and it is attached to tractor spline shaft.

This new Power Take-Off Drive will save you time, work and patience at harvest time. No speed jack stakes to pull loose or belt to slip off—no maneuvering or positioning of tractor. You pull the loaded wagon into position, flip the Power Take-Off Drive over and in one minute's time it snaps onto the spline shaft of your tractor. You are ready to go. It may be used with platform or overhead wagon jack hoist. Made by the makers of the famous Farmer's Friend elevators. Write for literature and name of nearest dealer.
G & D MFG. CO.
DEPT. E-31 STREATOR, ILLINOIS

THE NORTH AMERICAN
GRAIN-O-VATOR

With blower attachment unloading grain into a bin.

UNLOADS AT 50 BUSHELS PER MINUTE
•
DELIVERS AS HIGH AS 50 FEET INTO SILO
•
TIME TESTED AND FARM TESTED
•
A WAGON THAT NOT ONLY HAULS BUT WORKS
•
EVERY FARM SHOULD HAVE ONE



Unloading into hog self-feeders.

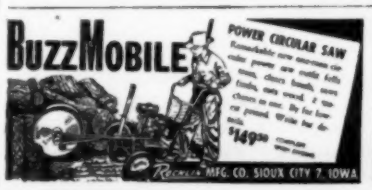
DODGEN & COMPANY
FORT DODGE, IOWA

THE ORIGINAL
STANDLEY Lift-Saver MILK COOLER

Aluminum Construction with Stainless Steel liner optional

Stop Lifting heavy milk cans! With an efficient STANDLEY Milk Cooler, *you just slide 'em in!* Cools faster, cheaper, to meet Grade A standard, by new refrigerated water spray method. *Write for Folder.*
STANDLEY & CO., INC.
2207 CHESTNUT • ST. LOUIS, MO.
JUST SLIDE 'EM IN!...

BUZZMOBILE



POWER CIRCULAR SAW
Remarkably new machine circular power saw outfits farm, chores, hauling, saws chores in one. By far low cost ground. Write for details.
$149.50 complete with pulleys
Reichart MFG. CO. SIOUX CITY 7, IOWA

NEW OAT HULLER and CORN CRACKER

GOLD NUGGET OAT HULLER hulls 40 to 60 bu. per hr. 4 to 6 H. P. Cracks corn—2 grades, wheat, beans, barley, etc. Get double value. Grow quick bone and muscle on all livestock and poultry. LOW PRICE. Write for circular "Road to Profit or Road to Loss." (Why waste your oat and corn crop?) Process it yourself better at lower cost.
WM. GALLOWAY & SONS CO. (ORIGINAL)
Box WF19 Waterloo, Iowa

HOW TO KEEP ONE IMPORTANT COST LOW!

•

Finance YOUR Land with a

Federal Land Bank

4%*

FARM LOAN

Every farmer knows it costs more to operate than it did a while back. One cost you can keep low is the interest cost on the loan that finances your land.

The general trend of interest rates is up—but the 4%* rate you get on a Federal Land Bank loan today is guaranteed never to be higher for the entire life of your loan . . . which may run as long as 40 years.

*(DIVIDENDS from your National Farm Loan Association actually make your net cost *less* than 4%.)

LAND BANK LOAN IS FLEXIBLE

You have this LONG TERM protection . . . but you can pay off in full any time from farm income without penalty.

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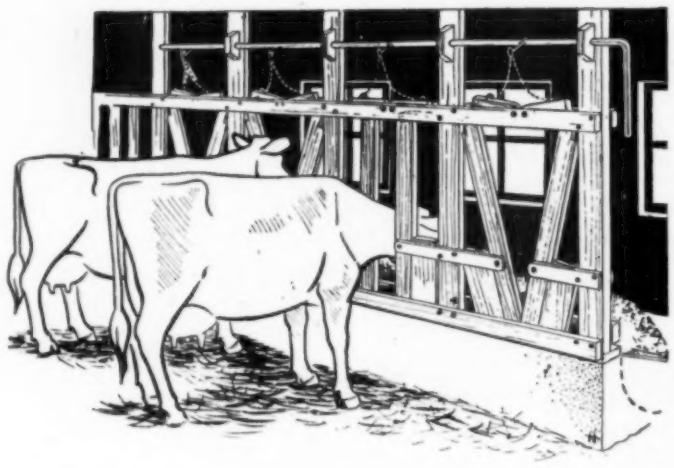
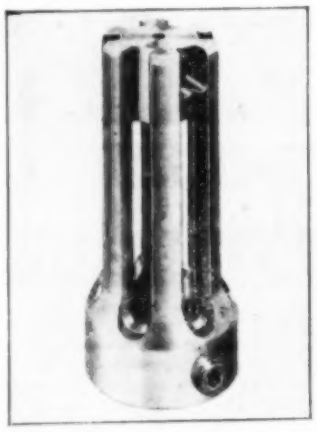
What's New?



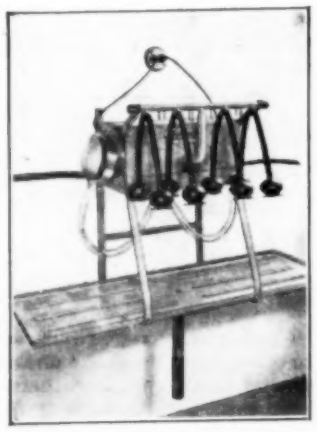
No Squeezing alongside each cow to lock these stanchions. When the cow puts her head down to get feed, the stanchion locks itself. You can unlock a whole string of cows at once. Or you can set the lever so stanchions stay open and cows can come and go. This stanchion is patented, but farmers can get the right to build them or have them built on their own farms. Babson Bros. Co. will furnish plans free on request.

Clothes prop can be adjusted with a twist of the wrist from four feet to eight feet. It weighs only 17 ounces. Solid rubber tip on the aluminum rod prevents it from slipping on the ground. Slotted grip holds the prop firmly to the line. Developed by the New Holland Metals Company.

Fire extinguisher which is small enough and cheap enough that one can be kept from cellar to attic, and in car and tractor, is now offered. A trigger releases a pressurized stream. Recommended for gasoline, greasy paper and electrical fires. The "Hero" is made by the Bostwick Laboratories.



Coupling makes 1⅛ tractor power take-off shafts very quickly adjustable to the 1⅜ size. The adapter slips over the shaft and is held firmly in place by one set-screw. Coupling saves conversion kits and replacing universal joints. It is made by Mississippi Engineering Co., Inc.



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Do Tests Show Bang's Germs?

To the Editor: A prominent dairyman says the Bang's test does not reveal that an animal has the disease. It merely shows the animal has the antibodies in the blood-stream with which to fight the disease. Please give us the facts about this question.—T. M., Jones County, Iowa.

It is true that the blood test for Bang's does not find the germs of the disease, says Dr. K. W. Stouder, of Iowa State College. The test is to find if that animal has ever fought a battle with Bang's germs.

If the antigens are found, then it is proved that the animal has the disease or has had it. In such a case, it is impossible to tell when the animal may shed off some of the germs and thus be dangerous to other animals or to people.

It is said that each disease has its own kind of antigens. So, if we find that kind in the blood of an animal, we know that at some time that animal has had the germs of that disease.

Stouder says that the testing of the blood for germs would be slow and expensive, and might not be accurate. The animal might have the disease, and the germs still might not be in the blood.

On the other hand, testing for the antigens is widely used and accepted by the medical profession, as well as by the veterinary profession. It is considered the most accurate test as to whether the animal is a disease carrier.

Half-Pound Ears Planted Right

Do you plant your corn thick enough to get the best yield? D. F. Beard, of Ohio State University, has come up with a simple test for deciding that question.

Weigh a basket of ears, Beard suggests. Then count the ears in the basket and figure the average ear weight.

If the ears average half a pound apiece, says Beard, the corn was planted at about the right rate. If they average more than five to six-tenths of a pound, the stand was too thin for best yield per acre.

Beard's test is figured for corn with 16 to 20 per cent moisture.

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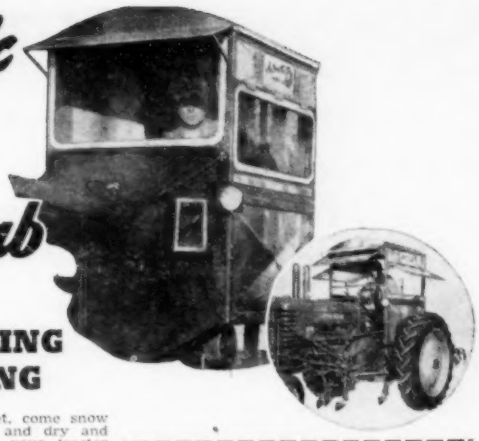

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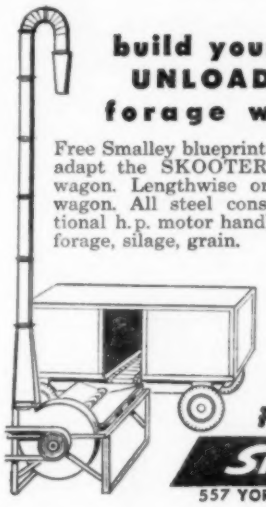

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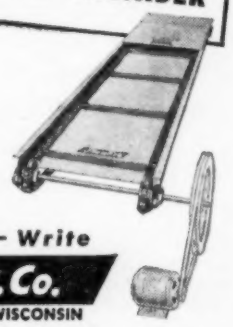

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Rigid Or Flexible Price Supports?

Sliding Scale Should Mean No Controls, Say Some; Keep High Floor, Say Others

BIG argument on the farm front right now is over government price supports.

Some folks want rigid support prices at not less than 90 per cent of parity on corn, wheat, cotton and other basic crops. They figure we can make good use of everything farmers would grow at those prices.

But if surpluses did pile up, they'd be willing to let the government tell them how much they would have to cut down on planting or marketing.

Others don't like government rules. Or they think rigid supports would cost so much that congress might toss the whole business out the window. And that nobody should be "subsidized" for growing stuff that isn't needed.

These folks favor flexible price supports at from 60 to 90 per cent of parity, depending on crop size. (Example: The bigger your corn crop, the lower the loan rate.)

They figure this would be enough to keep farmers from going completely broke. But that it would discourage them from growing too much stuff that nobody wanted.

(Many on both sides, of course, figure it will take more than just support prices to help farm income. School lunches, food stamps, soil conservation, and perhaps direct help on farm income are in the picture, too.)

Rigid supports are what we have right now. They run until the end of this year.

After that, if a bill passed by congress last summer is not changed, we'll shift over to the sliding scale system.

What do Iowa farmers say about all this? On a special train to the American Farm Bureau convention in Atlantic City last month, a Wallaces' Farmer and Iowa Homestead reporter took an unscientific but interesting poll of 40 folks in one car. They voted two to one for flexible supports.

"I doubt if the government can get the job done, even with the 60 to 90 per cent leeway," said Cedric Hall, of Woodbury county. (He probably was thinking of the tough and expensive job the government has had trying to keep eggs and spuds up to 90 per cent.)

"Rigid supports just will not work over a long term," insisted M. A. Lauterbach, Hardin county. "There are just two systems for doing it—Hitler's and Stalin's."

But the minority had some arguments, too. "We've got a good thing—why not hang onto it?" said some. "We have been getting 90 per cent," said Melvin Apel, Floyd county. "So why ask the service boys just starting to farm to accept 60 per cent?"

A few wondered what consumers might say. "City people will be more favorable to the sliding scale plan," said Merle Twinam, Washington county. "Yes, how can we put a program over unless we have some friends?" added Ed Helming, Woodbury county.

Harold Long, Woodbury county, wasn't much worried about the government telling him what to do. "We'll need acreage controls in any case," he said. "If you lower the support price, farmers will just put out more crop."

Ted Hoversten, Hamilton county, agreed. "I'm for acreage allotments rather than accepting a 60 per cent floor," he said.

Possible high cost of 90 per cent supports didn't seem much of an argument to Ople Everson, of Monona county. "Just as well pay the farmer subsidies as throw the money away like you see in Washington," he said.

But Tom Johnson, of Hamilton county, reasoned that farmers would have to depend upon good business conditions and full employment anyway, use supports just to keep from dropping out of sight.

"With a floor of 60 per cent," said Johnson, "you shouldn't go broke. That is, if you own your own farm. Full parity support creates difficult surplus problems. A lot of grain in storage will continue to exert a depressing influence on the market."

Why not more livestock to keep grain supplies under control? Said I. R. Hintz, of Jones county: "You don't find so many livestock feeders voting for rigid price supports."

And Harold Ford, Pottawattamie county, thinks more soil conservation would help: "A smaller acreage, with more production per acre."

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"Alaska Special"—All headless, scaled, gutted large fish for frying, baking or broiling. 20 lbs. flounder, 30 lbs. red Salmon, 20 lbs. chicken Halibut—all 90 lbs. for $31.50 or ½ order $16.00.

"Northern Lakes Varieties" for frying—20 lbs. boneless pike steaks, 20 lbs. boneless Mullet Steaks, 20 lbs. boneless white fish steaks, 20 lbs. all cleaned bullheads—all 80 lbs. for $25.00 or ½ order $13.00.

"Great Lakes Special"—20 lbs. boneless blue pike, 20 lbs. boneless bluefins, 20 lbs. scaled, dressed and headless perch, 20 lbs. northern pike steaks, boneless—all 80 lbs. for $28.00 or ½ order $14.50.

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Farm News Briefs

FEDERAL CROP insurance was a financial success in 1948, the USDA has reported to congress. After paying 7½ million dollars in losses, the Federal Crop Insurance Corporation had a profit of 5 million. Corn was insured in 50 midwest counties, with losses only 30 per cent of premiums.

▲ ▲ ▲

IOWA FARMERS had put nearly three million bushels of 1948 crop soybeans under government loan, according to latest reports. This was more than half the U. S. total. Another 107 thousand bushels of Iowa beans were under purchase agreements.

▲ ▲ ▲

NEW IOWA State Sheep Association field representative is W. W. Kitchell, former vocational ag teacher at Fairfield. He succeeds Dewey Jontz.

▲ ▲ ▲

RATIO OF PRICES received by Iowa farmers to prices paid (parity) in December was 104, down four points from November (1909-1914 is 100). The drop came when farmers' cost index stayed the same while the index of prices received dropped from 295 to 284.

▲ ▲ ▲

WOOL PRICE support program in 1949 will provide a national average price to growers of just over 42 cents a pound, says the USDA. Terms of the program are about the same as in 1948.

▲ ▲ ▲

SOIL CONSERVATION on an area basis is being planned for northeast Iowa's Backbone Park watershed. The joint program will be carried out by the Iowa Conservation Commission, Soil Conservation Service, Iowa State College, and local soil conservation districts in Clayton, Delaware, Buchanan and Fayette counties.

▲ ▲ ▲

COMING EVENTS: Jan. 18-20, Iowa Veterinary Medical Society, Des Moines (Ft. Des Moines); Jan. 23-24, Iowa Polled Hereford Association, Des Moines (Savery); Jan. 24-26, Farmers Grain Dealers Association of Iowa, Des Moines (Ft. Des Moines); Jan. 26-27, Iowa Aerial Sprayers and Dusters Association, Des Moines (Savery); Jan. 31-Feb. 3, Illinois Farm and Home Week, Urbana; Feb. 14-17, Iowa Farm and Home Week, Ames; Feb. 18-19, National Farm Institute, Des Moines (Ft. Des Moines).

"Now you're getting the idea, dear."

WALNUT Prefabricated INSULATED BROODER HOUSES

SAVE TIME...MONEY

House your chicks in a healthful, comfortable Walnut brooder house within a few days. Immediate delivery on 10x12 or 12x14 ft. models. Precision-cut sections easily put together in a few hours without skilled labor. Assembly-line methods and quantity purchases give you attractive prices. Sturdy, good-looking, long-lasting, convenient.

WRITE . . . OR SEE YOUR DEALER

Get full information, descriptions and prices on the buildings that will answer your problems.

HOME-WAY

LOW-COST HOUSING

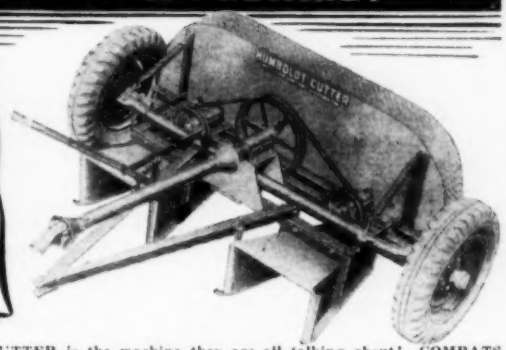
The new Home-Way gives you quality construction and variety with big savings through sectional engineering. 20x32 ft. model (illustrated) has basic price of about $2,500. Meets FHA technical requirements. Get special Home-Way circular.

FARM BUILDINGS FOR EVERY NEED

GBH-WAY HOMES, INC. Dept. W WALNUT, ILLINOIS

CONTROL OF CORN BORER...
STARTS WITH STALK CUTTING AND CLEAN PLOWING!

THE Humboldt STALK CUTTER



The HUMBOLDT STALK CUTTER is the machine they are all talking about! COMBATS THE CORN BORER IN TWO WAYS. (1) Its whirling, crushing blades (1,000 R.P.M.) chop, shred and pulverize the old corn stalks, destroying countless borer larvae. (2) These finely chopped and crushed stalk pieces are easier to plow under CLEAN AND DEEP, killing remaining larvae. Corn borers can't survive under earth. Also enriches the soil. Tractor drawn and power driven. Timken Bearing equipped.

SEE YOUR HUMBOLDT DEALER

Ask him to explain and demonstrate the Humboldt Stalk Cutter. Or write the factory for new circular in colors, prices and corn borer information, FREE. Write Dept. W-1.

THE SILBAUGH MFG. CO., HUMBOLDT, IOWA

ONE WAY TO REDUCE FEED WASTE

Use this simple hog-feeding plan...

Use the Lewis' Lye hog feeding plan this year and you'll know within the first season why so many successful farmers have used it for so many years.

At a cost of only 1/10c per hog per feeding, you simply add it to slop or mash as directed on label . . . and get results like these:

1. Help to neutralize harmful acids in swill.
2. Increase digestibility of oat and barley hulls, providing more nutrition from feed.
3. Impart desirable alkalinity to feed.

Start using this plan now. And be sure to use only Lewis' Lye—a standby for several generations.

FREE 48-page book gives full details on this and many other profitable uses for Lye. Just write to Dept. 17D, Pennsylvania Salt Mfg. Co., Phila. 7, Pa.

OTHER PENNSALT PRODUCTS

Knox Out DDT INSECTICIDES
SPRAYS—POWDERS—DUSTS
for HOUSE • BARN • LIVESTOCK • GARDEN

Delicious 4 APPLES $2.50
(2 Red—2 Yellow)
10 Chinese Elm, 4 ft. $1.00
50 Everbear, Gem Strawberry 1.50
These bargains prepaid
FREE CATALOG
Send card or letter for beautiful full-color catalog, complete assortment nursery stock. A bargain on every page! SEND TODAY!
WELCH NURSERY
Box W Shenandoah, Iowa

Friendly, Courteous Service Is Given With Each Purchase—Large or Small
Visit Your
LOCAL FEED DEALER
Today!

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BUY BONDS TODAY!

The BEAR CAT COMBINATION Grain and Roughage Mill also Ensilage Cutter

NEW Adjustable Drop-Apron FEEDER

Model 2A-DFI

Grinds any feed—green, wet or dry, shelled or ear corn, roughage bundles or bale flakes and no monkey business. It really grinds, and with ordinary farm tractor. Has both cutter head and heavy swing hammers. Adjustable Drop-Apron Feeder works in any position from ground to truck bed height. Get full information on this real honest-to-goodness Bear-Cat Grinder. Four sizes. Write—
Western Land Roller Company, Bx. 176, Hastings, Nebr.

One-man SALLY SAW portable
Gasoline motor. Fells and cuts up. Wghs. 63 lbs. Free Folder
Your farm implement dealer or write Dept. WF
CUMMINGS MACHINE WORKS Boston 10, Mass
$222.50 F.O.B. Boston

New Goose and Duck Feathers

Largest profit on your feathers. Ship to a pillow manufacturer established 48 years with plants in other major cities. Write for price list. Prompt remittance.

COLUMBIA BEDDING CO.
Dept. WF, 1750 N. Wolcott Ave., Chicago 22, Ill.

IMPORTED

Prince Edward Island

PURE-BRED YORKSHIRE GILTS

In comfortable sale pavilion at fair grounds

DAVENPORT, IOWA

THURSDAY, FEBRUARY 10, 1949

50 OF THE BREED'S FINEST

These gilts are not to be confused with the average gilts brought to this country. This is the first carload ever imported or shipped to this country, direct from PRINCE EDWARD ISLAND . . . it will afford those interested in securing the cream of the crop of PRINCE EDWARD ISLAND an unusual opportunity to make admirable and profitable selections.

They posses wonderful type, merit and quality that will especially appeal to those interested in only the best. You cannot afford to miss this unusual opportunity.

This is the breed that has a special appeal to our leading hog producers and the breed is gaining in popularity most rapidly. Start now, with the right kind, in type and breeding. Get in on the ground floor. Ask for FREE catalog. Kindly mention this publication. Address

DR. W. J. HULS, Owner, 602 East 15th St., DAVENPORT, IOWA

Auctioneer, Keith Goode

67TH SALE MARSHALL COUNTY

SHORTHORNS

In comfortable sale pavilion, East 18th Street

SHOW—10:00 A. M. and SALE—12:30 P. M.

Judge: A. J. Blakely, Grinnell, Iowa

Marshalltown, Iowa

Monday, January 31st

62 HEAD

41 BULLS READY FOR SERVICE
21 FEMALES RICH IN PEDIGREE

This Association is one of the oldest of the breed and for their **67th** sale they have made special effort to get a class of cattle that will be a credit to them as breeders. They include 5 cows with calves at side, some rebred to good herd bulls, bred cows and heifers and a choice lot of open heifers. A splendid lot of bulls, most all ready for immediate service, among which you will find herd bull material. The consignors are:

	Females	Bulls		Females	Bulls
E. L. Williams, Marshalltown	4	4	J. R. Fleming, Gladbrook	1	1
Renton Fricke, Marshalltown	1	0	Richard Fleming, Gladbrook	0	1
Geo. H. Lewis, Marshalltown	1	2	John Fleming, Gladbrook	0	1
Harry Paul, Haverhill	0	2	A. R. Fennern, Garrison	0	3
L. F. Doak & Son, Grundy Center	1	1	Edw. H. Fennern, Garrison	0	1
W. E. Ruffcorn, Collins	1	0	A. H. Fennern, Vinton	0	2
Braywood Farm, Oskaloosa	2	3	Lester Tomlinson & Sons, Traer	0	3
Warren Dahkel, Glidden	4	0	Merne Anderson, Victor	0	2
Chas. V. Johnson, Pilot Mound	2	0	Harry Davis, Wadena	0	5
Mrs. E. A. Gunn, Iowa Falls	2	0	Paul Aldinger, Ackley	0	3
I. H. Whitman, Lisbon	2	0	Frank Beresford, Vinton	0	2
Carl Whitman, Lisbon	0	2	Oscar Van De Walle, Tama	0	1
Glen Bacon, Parkersburg	0	1	Delbert B. Lindaman, Wellsburg	0	1

This has always been a source of supply for desirable bulls and females that prove profitable to the buyers. This sale will be no exception. The cattle are produced by practical cattlemen, who make a livelihood by raising **SHORTHORN** cattle . . . they will do the same for you. All will be presented in good strong breeding condition, to the advantage of the buyers. All **T.B.** and **Bangs** tested. Ask now for **FREE** catalog. Please mention this publication. Address

GEO. H. LEWIS, Sale Mgr., Route 1, MARSHALLTOWN, IOWA

Good lunch room at barn

Auctioneer, Clair G. Mason — Maurice W. Boney, Fieldman

AN ANGUS DISPERSION

At Central Illinois Angus Breeders' Heated Pavilion, located midway between Bloomington and Peoria. Excellent bus service

CONGERVILLE, ILLINOIS

MONDAY, JANUARY 31, 1949

35 LOTS

27 CHOICE FEMALES
8 EXCELLENT BULLS

Because of other business interests which require most of my time I must sell the entire herd which includes the great herd bull, **PRINCE ERIC 2d OF LAKEWOOD**, a 3-year-old son of **Prince Sunbeam 19th** out of a daughter of **Eileenmere 85th**, a real tried and proven sire. His progeny will please. 7 good bulls, 2 are two-year-olds and 5 yearlings, all by the herd sire, the sort for herd bulls. The females include 18 grand brood cows, 7 with calves at side, others forward in calf to **PRINCE ERIC 2d OF LAKEWOOD**, 8 beautiful young yearling daughters—just right to mate to your herd sire. The families are **WITCH OF ENDOR, BALLINDALLOCH JILT, MISS BURGESS, ROSEMERE McHENRY BARBARA, BALLINDALLOCH BLACKBIRD, BLACKCAP, WINDSOR QUEEN MOTHER, ERICA** and **BLACKBIRDS**—nothing finer in breeding. Remember, a **DISPERSION** always offers bargains. **COME.** Ask for **FREE** illustrated catalog. Please mention this publication. Address

MERRILL S. CASTLE, Owner
MORTON, ILLINOIS

Auctioneer, Roy Johnston — J. E. Halsey, Fieldman

+ A Shorthorn Dispersion +

To be held in Weirheim comfortable sale pavilion at

Webster City, Iowa, Tues., February 8, 1949

-55- LOTS

8 Cows and Calves—9 Open Heifers
20 Bred Cows—10 Bred Heifers
2 Herd Bulls—6 Yearling Bulls

CLARA 7th, taken from stock field on January 1st. A sample of our females. — HOLMGAADE SIRDAR, by Marellbar Sirdar. 6 calves by him, 12 bred to him. A real ried sire.

HOLM BROS., Corwith, Iowa, have developed since 1934 one of the richest bred herds in the state, cattle that have done especially well in the hands of others. **CLARENCE HOLM** is alone on the farm and finds it necessary to disperse the entire herd. Females are sired by **EDELLYN GLASTULLICH 2d**, by Imp. **CALROSSIE GOLDFINDER**, a son of Collynie Royal Leader, a son won at the 1943 Minnesota state fair; **MARELLBAR SIRDAR** (Imp.), with two top crosses of Collynie Leader, further intensified these rich blood lines and mated well on daughters of **EDELLYN GLASTULLICH 2d. CURTISS CANDY MODERN**, the 2d top selling bull in Illinois State sale has brought great ruggedness, shortness of leg and wonderful fleshing quality to his four calf crops, and he sells in the sale with many of his sons and daughters. Good individuals, rich pedigrees and profitable cattle sell in this **DISPERSION**. Farm 6 miles south of Corwith on Highway No. 60 and cattle can be inspected prior to sale. All sell fully guaranteed, and T.B. and Bangs tested. Plan to attend. Ask for **FREE** illustrated catalog. Address

MERVIN F. AEGERTER, Sale Mgr., SEWARD, NEBR.

Auctioneer, J. E. Halsey — M. W. Boney, Fieldman

WHR HELMSMAN 87th, sire of winners at the best shows.

BHR HELMSMAN A 46th, the 1st prize winner at International sells.

Sale in Heated Sale Pavilion

MACON, MISSOURI, THURSDAY, JAN. 27th

STARTING AT 12 O'CLOCK NOON

90 HEAD — 25 Good Bulls, 65 Choice Females

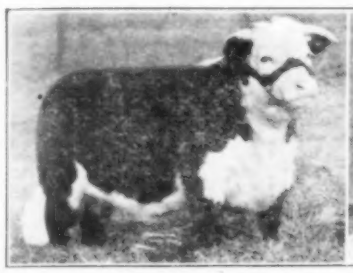
Most all of the 1948 show herd at Iowa, Illinois and Missouri State Fairs and the 1st prize Junior bull calf at 1948 International. **WHR JR. REALITY 54th** (illustrated here), a 6-year-old, the sire of 1948 Iowa and Missouri grand champion bull. Also a 2d prize cow at International. Two show bulls by **WHR HELMSMAN 87th.** There are 20 yearlings, mostly by **WHR HELMSMAN 87th** and **WHR HELMSMAN 83rd.** Real herd bull prospects. 40 beautiful bred heifers, mostly sired by **WHR HELMSMAN 87th** and **WHR JR. REALITY 54th** and bred to **WHR HELMSMAN 87th, WHR HELMSMAN 83rd** and **WHR JR. REALITY 54th.** 10 cows, some with calves and rebred, others well forward in calf. 15 most attractive open heifers, mostly by **WHR HELMSMAN 87th.** Show and breeding cattle. **COME.** Ask for **FREE** illustrated catalog. Kindly mention this publication. Address

BIANCHI HEREFORD RANCH, MACON, MO.

Chas. Bianchi, Owner Nick Tomlin, Mgr. Floyd Coons, Herdsman

JEWETT FULKERSON, Sale Management Service, Liberty, Missouri

Auctioneers, A. W. Thompson and J. E. Halsey



BHR MISS HELMS, A 16th, a sample of the females selling.

WHR JR. REALITY 54th, a wonderful sire selling in this sale.

— Creston —
Hereford Breeders Sale

Sale Pavilion

ORIENT, IOWA
MONDAY, FEB. 7th

44 BULLS—34 FEMALES

A great opportunity for farmers and breeders to select a herd sire from leading herds of Southern Iowa. Practically all of these bulls are of breeding age. One proven herd sire, **JUPITER DOMINO 8th,** a grandson of Star Domino 6th, will be sold. He has been used to great advantage in the **Adolph Beck** herd, Lenox, Iowa. The females are a pleasing lot, some cows with calves at foot and bred and open heifers. An excellent opportunity to make herd replacements with choice foundation stock. The consignors are:

Adolph Beck	Lenox, Iowa	T. M. Hayden	Creston, Iowa
Walter Blauer	Afton, Iowa	A. R. Hurley	Winterset, Iowa
Chas. Boyer	Creston, Iowa	P. E. Kelley	Creston, Iowa
Alva Chandler	Chariton, Iowa	Thos. McManus	Lenox, Iowa
H. G. Conrad	Afton, Iowa	C. H. McKinnie & Son	Afton, Iowa
J. E. Cipra	Cromwell, Iowa	D. B. Ryan & Sons	Corning, Iowa
Wilbur Faris	Mt. Ayr, Iowa	Wayne Sheriff	Orient, Iowa
Ford Bros.	Tingley, Iowa	Ralph Starry	Cromwell, Iowa
C. C. Granfield	Lorimor, Iowa	Henry Wienkoetz	Afton, Iowa
Guy Henderson	Clearfield, Iowa	C. S. Wimmer & Son	Afton, Iowa
Floyd H. Woods & Sons		Orient, Iowa	

This is a sale where buyers should secure excellent values. The large number affords a wide selection. The breeding and quality will please. Make plans now to attend. Ask for the **FREE** catalog. Please mention this publication. Address

LLOYD H. WOODS, Sale Mgr.

Route 2

CRESTON, IOWA

M. T. White, Fieldman

OPPORTUNITY SALE OF 1949

Iowa Hereford Association

SHOW AND SALE

SHOW—January 24th, 9:00 A. M.

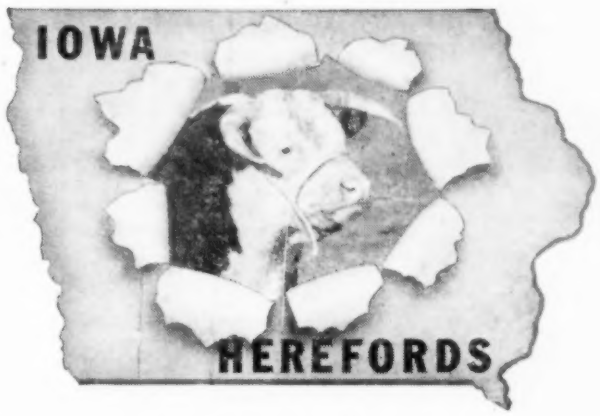
Females sell 7:00 P. M., January 24th

Bull sale starts 9:00 A. M., Tuesday, January 25th

DES MOINES, IOWA

State Fair Grounds Sale Pavilion

January 24 and 25, 1949



89 Iowa Progressive Breeders have consigned their top animals to this year's epic making sale

317 HEAD

197 Bulls **120 Top Females**

This sale will be the greatest opportunity to buy bulls at conservative prices for 1949. Be sure to attend. Each and every animal will be sold to the highest bidder without hesitation. 197 bulls to be sold on Tuesday, January 25th. A lot of bulls for one day's sale. **There will be bargains.** 120 females to be sold Monday evening, January 24th, at seven o'clock. Iowa breeders have picked their tops. All young. Heifers, some bred and many open so you can breed them to the bull of your choice.

IOWA HEREFORDS

Are becoming more popular day by day because they are **DOING CATTLE.** Ask now for **FREE** catalog. Please mention this publication. Address

J. C. HOLBERT, Secretary, Box 492, WASHINGTON, IOWA

Iowa Hereford Association

Auctioneers, A. W. Thompson and J. E. Halsey E. C. Turkington, Pres.

FRUEHAUF HAMPSHIRES

Sale at farm in heated pavilion, located 5 miles west of town on Highway No. 30

CEDAR RAPIDS, IOWA
SATURDAY
JANUARY 29, 1949

100 BEST SPRING AND FALL GILTS TO SELL IN IOWA

A select offering, displaying real type, merit and quality. Several sired by **TRU MOLD**, 1947 Iowa Grand Champion, others by **ATOMIC, MASTER MODEL, THE WARRIOR, CRACKER JACK,** and other famous sires. Breeding unsurpassed. You will like the grand individuals. **50** are mated to **PERFECTION**, the great 1948 Iowa State Fair grand champion. Anyone would like a litter sired by him. 25 are bred to **NEW HOPE**, one of the best sons of the 1947 Iowa grand champion, **TRU MOLD**; be sure to see this outstanding young boar sale day. Others will carry the service of **Top-Notch** sires. Breeding that will appeal to our best hogmen. The **HAMPSHIRE** opportunity for 1949. Plan to attend. Ask now for **FREE**, well illustrated catalog. Please mention this publication.

FRUEHAUF FARMS, CEDAR RAPIDS, IOWA

Harvey and Roy Fruehauf, Owners — Charlie Gorrell, Manager

Chels Pence, Herdsman

TRENTON, MISSOURI, WEDNESDAY, JANUARY 19th

40 QUALITY REGISTERED JERSEYS

DISPERSAL

JERSEY CATTLE
DUROC HOGS

Sale at farm in tent, gravel road, located 12 miles southwest of Trenton, Mo., and 5 miles northeast of Jamesport, Mo.

MACHINERY SELLS AT 11:00 A. M.
REAL ESTATE AT 1:00 P. M.

2 young herd bulls by **THOMAS ROYAL DOUGHTY**, owned by Springfield, Mo., **M.F.A. Breeding Assn.**, and a son of the $15,000 **BRAMPTON'S ROYAL MAID'S BASIL**. 19 cows, 13 heifers, 6 young bulls. Herd under **D.H.I.A.** Test. All **T.B.** and **Bangs** tested. Individual health papers. **60 REGISTERED DUROCS**—6 sows, 17 bred gilts, 37 fall boars and gilts. Best blood lines. Immune. Two good fertile farms, **150** acres and **206** acres, sell at auction. Also Farmall H. Tractor and full line of machinery, less than 1 year old. Auctioneer, Bert Powell. For catalog and full particulars write

DONALD J. BOWMAN, Sale Mgr., HAMILTON, MO.

NEW LOOK, Sire of Sweet Look

POLANDS

AT THEIR BEST

At farm, 3 miles south, 2 miles east and ½ mile south of

CLARION, IA.
FEB. 9th

50 BRED GILTS

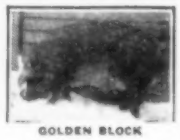
CENTENNIAL QUEEN, 2d prize. Two full sisters sell.

Carrying the service of **THE MIRACLE**, outstanding son of 1947 Illinois Junior Champion; **MASTERPIECE** and **AMAZING**, 1948 3rd prize fall boar at Iowa and a son of **DENISON**, 1947 Nebraska Champion. The **MIRACLE** offering includes **SWEET LOOK**, 1948 Iowa Junior and Reserve Champion, by **New Look**. Many of his daughters sell, several bred to him. 5 sisters to 1948 Minnesota Champion sell. Others by **SHOW PIECE**, a 1947 Iowa winner and **KEEPSAKE**, a 1948 Iowa winner. Our **TOP** fall pigs also sell. Ask for **FREE** catalog. Please mention this publication.

OSCAR LARSON, CLARION, IOWA

ANNUAL

DUROC SOW SALE



GOLDEN BLOCK

At Clay County Fair Grounds

SPENCER, IOWA, FEBRUARY 12—1:00 P. M.

50 Production-Bred Gilts

A choice well-grown offering that has been bred and fed a balanced ration with an eye on their future producing ability for their new owners. The offering is mostly sired by **GOLDEN BLOCK**, an outstanding sire, and by **KING TOPPER**. They are bred to **ORION'S BEST**, 9th prize boar at the strong Missouri State Fair and top selling boar in the Popham Bros. fall sale. Others bred to **BLENDER'S EQUAL**, by the 1948 Iowa Grand Champion, Style Blender. Two dark red boars possessing length of body, depth of ham, sound feet and legs, and feeding ability. A top offering of profit-making gilts that will command your attention. Kindly mention this paper when writing for **FREE** catalog.

MELVIN JENSEN, EVERLY, IOWA

Send mail bids to Maurice Boney, Fieldman, in our care

DUROCS AT AUCTION

Sale at farm, 1½ miles east of

STRATFORD, IOWA, JANUARY 28th

50 HEAD which include 45 choice spring gilts and 5 good fall gilts, sired by **INVINCIBLE SPECIAL, GRAND ORION, STURDY KING, MR. BLUE PRINT, SPECIAL DELUXE, ROYAL FANCY, MODEL TYPE, PROUD COMPACT, THE SPECIAL, BIG RED KING** and **PROUD CRUSADER**. They are mated to **KANT BE BETTER**, one of the best of the breed; **RED COPPER**, grandson of Spotlight's Image . . . outstanding show prospect and **TOPPER'S PROMOTOR**, a grandson of the 1948 Minnesota Grand Champion. **KANT BE BETTER**, sons and daughters, won the highest honors at recent American Royal. Most of offering mated to him for early litters. A sire of fast-growing, mellow, clean headed, good-coated, sound Durocs that sells in best shows and feeding tests . . . will make any herd more profitable. **COME.** Ask now for **FREE** catalog. Please mention this publication.

NORMAN D. ERICKSON, STRATFORD, IOWA

MANLY'S OUTSTANDING

CHESTER WHITE SALE

At farm, 3½ miles southeast of

SAC CITY, IOWA
THURSDAY, FEB. 3rd

80 Head

30 BRED SOWS AND GILTS
30 FALL GILTS AND BOARS
20 CHOICE HEREFORD HEIFERS

The finest lot of bred sows and gilts that one will find anywhere. The entire offering is well grown, big and broody, with wide backs, well rounded hams, deep bodies, exceptionally nice heads and ears, and sound feet and legs. This choice offering is sired by such breed building boars as Portage Elation, Fashion Lad by Portage Buckeye Lad, H. Modern Step Ahead, The Dean, and includes popular Balancer blood lines. The type gilts and tried and proven sows have been mated for mostly March farrow with a few to farrow in early April and two choice gilts to farrow in late February. They are bred to **DAZZLER'S CHOICE**, by The Dazzler, the popular Rineharpt boar sire, and to **ADVANCER'S MODEL**, by the 1947 Ohio Reserve Grand Champion, The Advancer. The fall pigs are well grown with pleasing style and quality. They consist mostly of type gilts and a few outstanding herd boar prospects.

20 HEREFORD HEIFERS—These are strictly choice, being very uniform and loaded with quality. They are on full feed and should weigh about 700 lbs. by sale day. Those interested in the production of better hogs and especially those desiring outstanding registered Chester Whites should see this good offering. Kindly mention this paper when writing for **FREE** catalog.

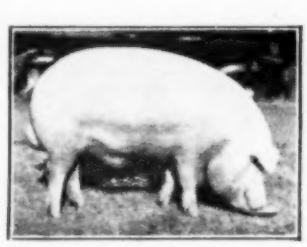
JAY MANLY, SAC CITY, IOWA

Send mail orders to M. T. White or Maurice Boney, Fieldmen, in our care

---

BETTER CHESTER WHITES

Sale at farm, located east of Marshalltown on Highways No. 64 and No. 30, and just west of



IOWA CHIEF, 1st Senior Yearling and Reserve Grand Champion at 1948 Iowa and Nebraska State Fairs. A great sire. You will like his progeny.

LEGRAND, IOWA
FRIDAY
FEBRUARY 11, 1949

60 TOP BRED SOWS
15 CHOICE FALL BOARS

All well grown, modern type, with merit and quality. Sired by **IOWA CHIEF, SPOTLIGHT,** and **FASHION'S MODEL**. Best in breeding. They are mated to **STREAMLINER** by Top Master and **PERFECTOR** by Spotlight. We sell our Reserve Junior Champion, **SILVER BLEND,** and daughters of the Reserve Grand Champion, **PERFECTION MISS.** Also daughters of our best sows. All selected from a large number and bred and fed so they will make good. **COME.** Ask now for **FREE** catalog. Please mention this publication.

C. T. KEEN & SONS, LE GRAND, IOWA

Auctioneer, Clair G. Mason. Send bids to J. E. Halsey, Fieldman, in our care

---

F. L. JACKSON & SONS' SALE

60 Spotted Poland China Bred Sows

One of the Greatest Offerings Selling This Winter

SAC CITY, IOWA
SATURDAY
FEB. 12, 1949

Sale starts at 1:00 P. M. This is by far the most sensational offering of Spotted Poland China bred sows that will be sold this winter and is the greatest lot of sows that have ever left our farm. Thirty head will be bred to **GRAND VIEW PRINCE**, the most talked of boar in the Spotted Poland China breed today. He is a proven sire with his reputation already made, and is in a class by himself. Twenty head bred to **MASTER WAY**, the boar that was so popular in our October sale last fall. Then we are selling 10 head bred to **HI POWER**, the junior boar sired by **POWER HOUSE**. Never before have we offered such a sensational lot of bred sows as we are selling in this sale. If you are in need of a bred sow don't forget our date. Our sale will be held at the sale pavilion located on Highway No. 20, one-fourth mile west of Sac City. Write for our catalog at once and please mention Wallaces Farmer and Iowa Homestead. Address

F. L. JACKSON & SONS, LYTTON, IOWA

Chas Taylor, Auctioneer Send bids to M. T. White, Fieldman, in our care

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Purebred Hampshire Sow Sale

At fair grounds, west edge of

HAMPTON, IOWA, WED., FEB. 9th

100 HEAD In this offering we have in mind the **COMMERCIAL HOG PRODUCER** . . . also our friends in the purebreds. Some of these gilts will not be registered, and selling in lots of **3** and **5** or choice to please the buyers. All sired by good purebred boars. Bred for February, March and April farrow. The large number affords a wide selection both in type and price that you may desire. Vaccinated and **Bangs** tested. **COME.** Ask now for **FREE** catalog. Kindly mention this publication. Address either

ROBIN LANE FARMS Hampton, Iowa — **GILBERT BEHN** Chapin, Iowa — **HERB PERL** Thornton, Iowa

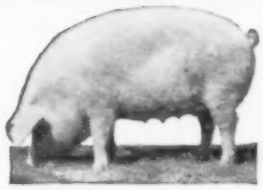
28th Annual Sale

CHESTER WHITE SOWS

In Fischer's Implement Bldg.

GLIDDEN, IOWA

Thursday, February 10



50 TOP QUALITY GILTS

The home of the great sow, **AUTUMN MAID**, the 1948 Iowa grand champion. Daughters of this grand producing sow and gilts from the prize-winning **FUTURITY** litter sell. A top quality offering, well grown, and the right kind for real brood sows, sired by **PORTAGE ELATION, CLAREMONT BALANCER, PORTAGE RENOWN, 47th TRIUMPH, PRODUCER JR.**, and **THE IOWAN** . . . best in breeding. Bred for February, March and April farrow to outstanding boars: **COPP'S GRAND MASTER**, a son of Exploiter; **PORTAGE DANDY MODEL**, by Lincoln Model; others bred to **ROYAL FLASH, VICTORY LAD 1st, WHITE HOPE** and **PORTAGE ELATION**. Plenty of new blood for old customers. One of the best offerings I have ever sold in 28 annual sales. Breeding unsurpassed, quality that will please. **COME.** Ask for **FREE** catalog. Kindly mention this publication.

ROY V. COPP, GLIDDEN, IOWA

Auctioneers, J. E. Halsey and O. Stevens — M. T. White, Fieldman

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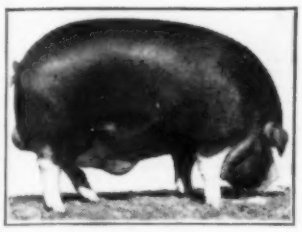


LAKESIDE FARMS

Poland Chinas

FRIDAY, JANUARY 28th

1 mile east on Highway No. 71 and 1 mile south of

STORM LAKE, IOWA

60 HEAD

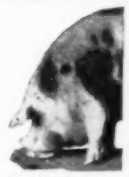
SHOWMASTER

35 Bred Sows and Gilts — 25 Fall Gilts and Boars

This well-grown offering of the easy feeding, fast gaining type is mostly sired by Showmaster, 2nd at Iowa 1947 and 1948, and by Lakeside Design, sire of exceptional merit. Featured attraction for those desiring outstanding foundation animals will be Showmaster's Maid, 1st Futurity at Iowa and Jr. Champion Sow at Spencer Fair, and Lakeside Fashion Lady, 3rd Jr. Yearling sow pig at Iowa. These two outstanding females and many of the choice gilts and quality tried and proven sows have been mated for mostly March farrow to **LAKESIDE MANDARIN**, by Mandarin the 1948 Iowa Grand Champion. Others mated to **FIELD MARSHALL**, by the noted Fabulous from the McNamara herd, and to Grand Master by Showmaster. The choice offering of fall pigs will mostly consist of typy gilts and several prospective herd boars. Those interested in the production of better hogs should inspect this offering. Lakeside Polands do well for others. Please mention this paper when writing for **FREE** catalog.

EUGENE DUGAN, STORM LAKE, IOWA

SPOTTED POLAND SALE



In Sale Pavilion

SAC CITY, IOWA, 1:00 P. M., FEB. 4th

60 QUALITY GILTS

Litter mate gilts to the thick, easy feeding boars that proved popular to the farmers this fall. They are sired by Broad Boy by Broadway, Proud Advancer, and Big Mogul, the highest selling boar of the breed last year. They have been mated for March and April farrow to **TRU MOLD**, top boar in the Heiser sale at Dunbar, Nebr., this fall, and to **THUNDER HEAD**, second top boar in the A. J. Anderson sale. An outstanding offering of well-bred gilts bred to top boars that will prove profitable to the farmers. Please mention this paper when writing for **FREE** catalog.

CLIFFORD PITSTICK, JOLLEY, IOWA

BAHR, BROWN & BROWN

POLAND CHINA SALE

At F.F.A. Sale Building

IOWA FALLS, IOWA

SATURDAY, FEBRUARY 5th

40 BRED GILTS

Tops from these two good herds combined to make a very attractive offering. They are well-grown, large and broody with worlds of quality and style. They are bred to **SUNRISE** by Shawnee and to **GOLDDUST** by Sound Model. Two popular well-bred boars of the right kind. Featuring one choice gilt bred to **MASTERFUL**, top son of the 1948 Iowa Grand Champion Mandarin. Make plans now to attend this opportunity sale. For **FREE** catalogs address **J. VERALD BROWN, Hampton, Iowa.** Kindly mention this paper when writing.

PAUL BAHR, IOWA FALLS, IOWA
BROWN & BROWN, HAMPTON, IOWA

Harry Duncan, Auctioneer

SMITH'S QUALITY

CHESTER WHITE SALE

At farm, 2 miles west and 3 miles north of

PAULLINA, IOWA, FEBRUARY 3rd

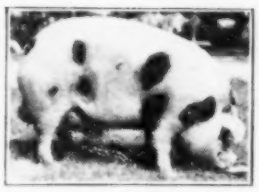
40 Bred Gilts

Selected well-grown gilts mostly sired by Primglar Monologue, 2nd prize Jr. Yearling at Spencer Fair, and by Smith's Regulator. This broody offering is mated to **EXPLOITER CHIEF**, by Exploiter Again by Exploiter. One of the great boars with lots of Quality, good head, feet and leg. Others mated to **GRANDS GOING'S LAD**, 2nd prize Jr. pig at Nebraska State Fair 1948, and to **CRAFTSMAN'S CHAMP**, 4th prize Jr. pig at the big Spencer Fair and a pig that is going to make a wonderful prospect for next year's shows. Well-bred Chester Whites that will please. Plan now to attend. Kindly mention this paper when writing for **FREE** catalog.

CLARENCE E. SMITH, PAULLINA, IOWA

—SAVE MONEY THE EASY WAY—BUY SAVINGS BONDS NOW—

HIGH-CLASS SPOTTED POLAND BRED SOW SALE



FLASHY LAD, the 1st fall boar and junior champion at 1948 Iowa State Fair, which indicates the kind we produce.

Located 40 miles east of Des Moines, and 10 miles west of Grinnell on Highway No. 6, at farm 1½ miles northeast of

KELLOGG, IOWA

Saturday, January 29th

40 BEST SPRING GILTS TO SELL THIS YEAR

This is one of the finest herds of the breed . . . where top quality and prize-winning hogs have been bred and produced for years. They make good for those who buy them. This is our best offering. All are spring gilts, well-grown, modern type, real merit and quality. We are featuring our Reserve **JUNIOR CHAMPION** and 1st Junior gilt and 2d, 5th and 6th prize-winning gilts in the strongest show of the year. They are litter mates to one of the **TOP** boar offerings sold in the fall of 1948. They are sired by **GLORY'S EQUAL** and **HONOR BOUND**, breeding and quality unsurpassed. They are mated to **MAJESTIC**, the **TOP** boar in the Fred Fuller's sale and one of the greatest boars of the breed and some are mated to **GLORY'S EQUAL**. The best cost only a little more . . . but make a **LOT MORE PROFIT** . . . buy the best. Select a good gilt bred to an outstanding sire. You cannot afford to miss this forthcoming sale. Plan now. Be sure to ask for **FREE** illustrated catalog. Kindly mention this publication.

A. J. ANDERSON & SON, KELLOGG, IOWA

Auctioneers, Chas. Taylor and Martin. — Send bids to J. E. Halsey, Eckiman, in our care

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QUALITY

Poland Chinas

At the farm, east of

MASON CITY, IOWA

JANUARY 24, 1 P.M.

BLOOD BANK

Choice Bred Gilts — Tried and Proven Sows

In our many years of breeding Poland Chinas it has consistently been our aim to combine top production with pleasing type and popular blood lines. This grand well-grown offering closely adheres to that policy. They are sired by Blood Bank, Big News, Distinction, and a few outside sows by Jackpot, All in One, True Dimensions, and Supreme Blend. Most of the offering has been bred for March and a few for April farrow. Majority of the gilts are bred to **MANDARIN**, 1948 Iowa Grand Champion. A litter by Mandarin will strengthen any herd as he has the length of body, heavy bone, straight legs and feet, extreme ruggedness and feeding ability that is needed for breed improvement. He has already proven himself as a sire of extreme merit. The tried and proven sows have mostly been mated to **BIG NEWS**, 1948 Spencer Fair Grand Champion. Others bred to **COLONEL D.** by Manchu. Make plans now to inspect this outstanding offering. Kindly mention this publication when writing for your **FREE** catalog.

EMMERT FARM, MASON CITY, IOWA

Send mail bids to Maurice Boney, Fieldman for this paper

QUALITY

SPOTTED POLAND CHINAS

At farm, 1 mile north, 4 east, and ½ north of

MALLARD, IOWA, TUESDAY, FEB. 8th

50 CHOICE BRED GILTS

This will be one of the best offerings of popular profit-making Spots to sell this winter. They have been fed and handled in such a manner so as to prove out in the farrowing pens. Most of this well-grown offering is sired by **BIG CHIEF**, the breed's greatest sire of the right kind of brood sows. They are mostly bred to **HI-TYPE**, 1st prize junior boar pig at Iowa State Fair and the top boar in the Warren fall sale. We are sincere in stating that this is the best offering of bred sows that we have ever offered. Big Chief has made an outstanding reputation as a sire of the right kind and these gilts are ample proof. Farmers will be more than pleased with the broodiness and feeding ability. New blood lines for our former customers. Kindly mention this publication when writing for **FREE** catalog.

FRED F. GOODCHILD & SONS, MALLARD, IOWA

C. W. Taylor, Auctioneer

NORTHWESTERN IOWA

POLLED HEREFORD BREEDERS SALE

In Stockyards Sale Pavilion

SIOUX CITY, IOWA, FEBRUARY 10

SHOW—9:30 A. M. SALE—1:00 P. M.

40 BULLS — 10 FEMALES

The Northwestern Iowa Polled Hereford Breeders Association is glad to welcome you to their 30th annual sale. You will find a number of outstanding herd bull prospects in this good offering. The females consist of bred cows and heifers and a few open heifers. The cattle are consigned from the leading herds of well known breeders from the four states of Iowa, Minnesota, South Dakota, and Nebraska. Plan to come early and follow the cattle through the judging. Please mention this publication when writing for **FREE** catalog.

ED KRISE, Secy. and Sale Mgr., ROCK RAPIDS, IOWA

Judge, Emil Rezac, Tabor, South Dakota — Chas. Corkle, Auctioneer

TAKE TIME OUT to CHECK these BOLSON'S FEEDS in '49

Bolson's 20% Pig and Sow Meal with Buttermilk
Bolson's Hi-Test Mineral Protein Conditioner • Bolson's 36% Concentrate
Bolson's 19% Contented Peep Chick Starter
Bolson's 17% Starting and Growing Mash • Bolson's 26% Grain Balancer
Bolson's 20% Breeder Egg Mash

Sold by Reliable Feed Dealers Only

The L.C. BOLSON Co. A NAME YOU CAN TRUST IN FEEDS! DECORAH, IOWA.

WINPOWER ROTARY HOE

FASTER and CLEANER START FOR YOUR CROPS

"Cross cut" sawtooth action pulverizes soil and kills weeds in early row and field crops. Cultivates 80 to 120 acres per day with 2 plow tractor. End to end flexibility gives 100% coverage. Outer sections fold in for transport through gates. Built extra heavy for long, trouble free use. Write today for free circular.

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Winpower Mfg. Co. NEWTON IOWA

ALFALFA WESTERN GROWN **$26.25** BU.

Hardy Grimm Alfalfa $27.60; Red Clover, special Lot Leader, $23.95; Alsike Clover $20.85; Sweet Clover $10.80; Alsike and Timothy Mixed $10.35; Mountain Brome $4.20; Hybrid Corn $4.75. All per bushel. Triple recleaned. Complete stocks all other seeds lowest prices. Guaranteed satisfactory. FREE Samples and Catalog.
BERRY SEED CO., Box 404, CLARINDA, IOWA

LIVESTOCK FOR SALE
SWINE
Cross-line Poland China Boars
PERCHERONS
Ten-year-old grey stallion; 7-year-old black mare with filly foal. Inspection invited.
DAIRY BULLS
Two to 8 months of age. Holstein, Guernsey, Jersey, Brown Swiss and Ayrshire breed.
ANIMAL HUSBANDRY DEPARTMENT
Iowa State College Ames, Iowa

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Enroll Now for March Term.
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AYRSHIRES
FASTEST GROWING DAIRY BREED
Write for literature and names of breeders near you with stock for sale.
AYRSHIRE BREEDERS ASS'N
47 Center Street Brandon, Vermont

AYRSHIRE HERD
Entire herd registered, 10 cows, 3 heifers, and a choice 2-year-old bull, 2 good bull calves. Herd Bangs free.
WAYNE BOWERS, MOVILLE, IA.

ABERDEEN ANGUS

10 ANGUS BULLS
Choice bulls, 10 to 20 months of age, mostly sired by **REVOLUTION B.A.S. 4th**, a winner at Iowa State Show and Sale. Come or write.
AUSTIN & GARRELS DUMONT, IOWA

ANGUS FEMALES
CHOICE REGISTERED FEMALES
3 COWS AND CALVES, 4 HEIFERS
Good type and quality. Priced to sell.
W. T. STAUFFER BAYLIS, ILLINOIS

ABERDEEN ANGUS

GROWING IN POPULARITY

Aberdeen-Angus are making steady progress. The superior hornless black cattle are growing in popularity everywhere.

Meeting modern market demands for high quality beef production, practical cattlemen quickly recognize this breed above all others. The Blacks excell in uniformity, hardiness, early maturity, and high dressing percentages at mature weights. Write for free descriptive literature.
Dept. WF, 7 Dexter Park Ave., Chicago 9, Ill.

American Aberdeen-Angus Breeders' Association "Superior Beef Breed"

REGISTERED
BLACK ANGUS
Yearling heifers, heifer calves and cows. Also bulls.
WALTER ENGLAND CLEARFIELD, IOWA

ABERDEEN-ANGUS BULLS
Five choice bulls from 8 months to 18 months old. Good individuals, well bred.
PRICED TO SELL.
JOHN H. FITCH LAKE CITY, IOWA

DAIRY CATTLE

CHOICE HEIFER CALVES
Month old from Wisconsin's selected high production cows. HOLSTEIN and GUERNSEYS.
GREENWALD BROS. MUKWONAGO, WIS.
Oakland Dairy Farms.

GUERNSEY AND HOLSTEIN HEIFER CALVES
Good, strong, carefully selected Guernsey or Holstein heifer calves, purebred, not registered. $45 on express car, older calves $50. 10 to 35 delivered by truck to your farm on approval. Also a few Brown Swiss calves.
H. R. LOBDELL MUKWONAGO, WIS.

FULL BLOOD AND HIGH GRADE
Guernsey, Holstein, Jersey, Shorthorn heifers, 1 to 3 weeks old, $32.50. 2 to 3 months old, $47.50. Six months old heifers, $85.00. These are large type, well marked calves with good production backgrounds. Grade Hereford heifers and bulls, 1 week, $33.00. Will express C.O.D. subject to approval.
MIDWEST CATTLE CO., Box 15, KANSAS CITY, MO.

GUERNSEYS

8 GUERNSEY BULLS
Serviceable age. Choice quality. Popular blood lines. **A. R.** Dams. Also several springing cows, bred heifers and heifer calves. Negative all tests. Priced to sell.
L. E. DENNIS, SR., Box 266, Farmington, Ill.

HEREFORDS

Spooner's Herefords
Have sold farm that we have owned for 80 years and now to settle an estate, we offer our choice herd of **HEREFORD** cattle. An outstanding herd bull, **Domino-Mischief** breeding, excellent type, great head, a wonderful sire. A real tried and proven sire. Also 7 coming 2-year-old heifers. One of the best herds in Iowa. Act NOW if interested.
S. A. SPOONER MONDAMIN, IOWA

HOLSTEINS

WISCONSIN'S CHOICE HOLSTEIN CALVES

Fine selection of beautiful Wisconsin Holstein heifer and bull calves. Fifty on hand at all times. Registered or High Grade. Well started, no milk required.
Send for Pictures and Price List.
J. M. McFARLAND & Son Watertown • Wisconsin

HOLSTEIN BULLS
Governor of Carnation and Posh breeding, serviceable age. You will like them.
SHOMONT FARM MONTICELLO, IOWA

WISCONSIN HOLSTEINS
Heifer calves, about month old. Top quality Holsteins or Guernseys, 4 for $165.00 delivered. Also older calves. All charges prepaid. Will ship C.O.D. Order from this ad. Satisfaction guaranteed.
CHANDLER FARM LAKE GENEVA, WIS.

U. S. SAVINGS BONDS ARE SAFE

HOLSTEINS

HOLSTEIN HEIFERS
All ages, well marked choice high grades, tested. Car lots.
ED HOWEY SOUTH ST. PAUL, MINN.

JERSEYS

GOLDEN SUNSET JERSEYS
We believe we have the only herd outside of Biltmore Farms with 2 sons of **XENIA'S SPARKLING STANDARD** in service. Young bulls and bull calves offered. **FREE** list.
ENNIS STOCK & DAIRY FARMS
FESTUS, MISSOURI

MILKING SHORTHORNS

PEERLESS AND BELLE VERNON HERD of MILKING SHORTHORNS
Because of ill health, retiring to smaller farm. Will sell nearly all the herd. **Bulls** 2 to 14 months old. **Females** 2 months to mature cows. Best of **Bates, Clay** and **Imported** English families, with highest milking ancestry possible to obtain. **Priced to sell.** Also **White Collie** Puppies, guaranteed natural heelers.
JOHN LOGSDON, Mgr. DECORAH, IOWA

MAKE MORE PROFITS UNDER AVERAGE FARM CONDITIONS -RAISE MILKING SHORTHORNS

For the average farmer, Milking Shorthorns are unbeatable. Produce 4% milk. Have greater carcass value than other breeds. Second to none in producing milk and meat from home-grown roughage and grain from your farm! Free facts. Or subscribe to Milking Shorthorn Journal. Six months, $1.00; $2.00 per year; 3 years, $5.00. **AMERICAN MILKING SHORTHORN SOCIETY • Dept. wrs 4122 SOUTH UNION • CHICAGO 9, ILLINOIS**

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Serviceable age, sons and grandsons of **McKEE'S LORD SOMERSET**, Classified "Excellent." Best type, good blood lines. Reasonable. 10 miles south of Des Moines.
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Carlisle, Iowa, or Indianola, Iowa

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Choice red and roan bulls from 2 months to serviceable age by **BORG'S CLAY BARON.** Dams record 13,653-592 lbs. They are out of R.M. cows. Write or visit farm. Phone 1812.
AUGUST BACHLE MAYNARD, IOWA

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POLLED SHORTHORN BULLS
Choice quality, rich breeding. Reasonable.
Phone, wire, or write
BERT A. HANSON
VERNON CENTER MINNESOTA

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FEEDER CATTLE
Buy your feeder cattle fresh from **Montana** range. Any kind, age, and weight.
Write or wire.
NEWELL BERRY RICHEY, MONTANA

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BERKSHIRE BOARS - GILTS
Choice boars, serviceable age, for sale; also good bred sows and gilts. Desirable individuals—best of breeding. Reasonable prices.
JOHN H. FITCH LAKE CITY, IOWA

DUROC JERSEYS

DUROC BRED GILTS
30 choice, dark red, lengthy, deep bodied, well nippled gilts bred to a truly great boar from that sensational litter sired by Kayword Leader, the 1948 Iowa Reserve Grand Champion. March and April farrow. Chol. immune. 2 m. S. and 1 mi. E.
VINCENT DRUMMY RYAN, IOWA

Merle Moser's Estate
Jersey and Holstein Dispersal
NEVADA, IOWA
MONDAY, JANUARY 31, 1949
At farm, located 4 miles east of Nevada and 1 mile south

24 Head Registered Jerseys
12 Head REG. and GRADE HOLSTEINS. 21 head of cows, 15 heifers, all ages, 1 Reg. Jersey bull. Jerseys are of Blonde, Foremost, St. Mawes and Smoky Pogis blood lines. All cows have production records. Some calfhood vaccinated. All T.B. and Bangs tested. All dairy equipment sells, including a milking machine.

ALSO SELLING — COMPLETE LINE OF NEARLY NEW FARM MACHINERY
For operating a 360-acre farm, including 3 Ford Tractors (1946, 1947 and 1948) and equipment for same; corn pickers, and nearly every item needed by big operators. If you need machinery DO NOT MISS THIS SALE.

NOTHING RESERVED—EVERYTHING SELLS TO SETTLE THE ESTATE
Machinery Sale starts at 11:00 A. M.
Cattle Sale starts at 1:30 P. M.
For further details contact the Administrators:
Leo Moser, R. 2, Ames, Iowa
Francis A. Toot, Nevada, Iowa
IVAN N. GATES, Sale Manager
West Liberty, Iowa

KORONIS HILL FARM
GUERNSEY DISPERSAL
90 GUERNSEYS
74 REGISTERED — 16 GRADES
45 MILKING AGE 17 HEIFER CALVES
12 2-YR.-OLD HEIFERS 4 BULL CALVES
11 YEARLING HEIFERS 1 HERD SIRE

POPULAR BREEDING
Here is a good herd founded on some of the best blood lines of the breed. Former herd sires represented by daughters include: Antietam Royal Countryman, a double grandson of Langwater Countryman, from a 623-lb. 2-year-old; McDonald Farms Harvester, son of a 705-lb. 2-year-old; Rock Creek Esquire, son of a Class Leader with 885 lbs. fat as a 3-year-old; Wey Acres Butterfat Grandee, a son of Langwater Grandee, from a 674-lb. 3-year-old. Present herd sire is Spruce Shadows Danny Boy, a son of Langwater Michael, from a VG dam with 563 fat as a 2-year-old.

CALFHOOD VACCINATED
since 1937. Bang's tested. No reactors.

MACHINERY AND FEED
Big line of power machinery, corn, oats and hay will be sold the same day.

TUESDAY, JAN. 25th
Machinery sale starts at 10 A. M. Guernseys sell afternoon, under cover. On Minn. 23, 1½ miles southwest of
PAYNESVILLE, MINNESOTA

LIBERAL TERMS
Minnesota Sales Co., Clerk, Rochester
For sales list write
G. R. MELIN
4529 Bryant Ave. S., Minneapolis 9, Minn.

SPOTTED POLAND SALE
At the Fair Grounds
SPENCER, IOWA
MONDAY, FEBRUARY 7th
40 CHOICE BRED GILTS
Our herd has consistently produced good profitable, fast gaining Spots. Farmers can buy with confidence as the offering is sired by such boars as **MEMORIES** and **THE CHARM.** They are bred to **THE TOPIC,** by Robin Hood; **SATISFACTION,** 1948 Minnesota Junior Champion boar, and to **CHIEFTAIN,** by Big Chief. Plan now to attend. Kindly mention this paper when writing for **FREE** catalog.
KARL E. CARLSON
Lakefield, Minnesota

SPOTTED POLAND SALE
SALE BARN
WAVERLY, IOWA, JAN. 29th
NIGHT SALE
50 Choice spring gilts, a real quality offering, bred and fed to make good, they will weigh from **400** lbs. to **500** lbs. sale day. Smooth, low-down, with length and good hams. Sired by **SPOT KING,** 1946 Iowa Junior champion, **NEW BLACK JOE, BIG CHIEF** and **SKIPPY.** Bred to **NAMEPLATE,** Iowa Reserve Junior champion, and **IOWA COMMANDER,** a top boar in Jackson sale. Both tops from champion herds. We offer the Junior champion gilt of Nebraska, a granddaughter of Miss Former. Ask for **FREE** illustrated catalog. Please mention this publication. Address
LELAND B. DELLINGER
SHELL ROCK, IOWA

HEREFORD DISPERSION
CLIFTON HILL, MO., JAN. 26
Having sold farm, will sell entire herd of Registered Herefords, including herd bull, **SUNSET DOMINO 69th** 4408561, grand champion, 3-year-old son of Sunset Domino 3714581, the $20,000.00 bull, Dam **Suez Miss 58th,** a $1,100.00 cow. Two promising coming yearling bulls. Some outstanding bred cows and heifers, one 3-year-old cow with bull calf at side; choice coming yearling heifers. Also some 2-year-old fat Hereford steers. Plan to attend. Ask for **FREE** catalog. Please mention this publication.
DR. M. M. STEPHENS, Clifton Hill, Missouri

Chester White Sale

At farm, 2½ miles west of
LAKE MILLS, IOWA, FEBRUARY 9th
40 Purebred Chester White Bred Gilts
6 Outstanding Fall Boars
A choice offering of well developed gilts sired by our **HILLSIDE CHAMPION,** sire of our Minn. Grand Champion Barrow and Pen of Barrows over all breeds at the 1948 Minn. Spring Barrow Show. Others sired by Hillside Dazzler. This good offering has been bred to the 1948 Junior Champion Boar of Ohio, **SHADYSIDE ACE,** and to the very good boar, **HILLSIDE PRINCE.** One of the growthiest, best boned and hammed offering of bred gilts that will sell this season. They have been well liked by all that have seen them. Plan now to attend. Kindly mention this paper when writing for **FREE** catalog.
ANDREW L. BIDNE & SON, LAKE MILLS, IOWA

SPOTTED POLAND SALE
At farm, 3 miles northwest of
FAIRMONT, MINN., FEB. 3rd
45 Registered bred sows, leading blood lines. Best type and quality. Write now for **FREE** catalog. Kindly mention this publication.
Arnold Krahmer, Fairmont, Minn.

HARDY U. S. Grown ALFALFA $24.00 BU.

Hardy Grimm $27.70; Red Clover $24.00; Alsike Clover $19.95; Scarified Sweet Clover $10.40; Timothy and Clover Mixed $9.95. New Mountain Brome $4.25; Hybrid Seed Corn, $4.75. Prices low on Red Clover, Timothy, Lespedeza, Alsike, New Certified Clinton 59, Mindo and Benton Oats, Certified Hawkeye Soy Beans. Our seeds recleaned, tested. Guaranteed satisfactory and sold subject your 60-day test. Write for free samples and 1949 Catalog. Hurry, scarcities exist. **American Field Seed Co., Dept. 304, Chicago 9, Ill.**

FINE FURS, FOX SCARFS

Made from your own skins—rich, stylish and useful: more popular than ever. Red fox, silver fox, mink, raccoon, beaver, every kind of hide and fur skin beautifully tanned and styled to your order. Having your furs beautifully finished by Cownies is only way for you to realize their full value. 40 years experience—100% satisfaction guaranteed. Cow, horse, calf hides tanned and made into handsome, warm, durable coats, robes and rugs. Also expert taxidermy. Ship your skins right in, we will acknowledge and send styles, prices, complete information. **COWNIE TANNING CO., 501 Market Street, Des Moines, Iowa.**

DUROC JERSEYS

THE FUTURE

Choice Durocs by our herd sire **THE FUTURE**

Sale February 11th

Gilts bred to **Glory Bound 1st** Senior boar at Missouri, and **MR. BLUE PRINT PRIDE**

Ask for Free catalog

WALTER RIEBESELL CALUMET, IOWA

EVERGREEN LANE DUROCS

25 choice dark red, lengthy, deep-bodied bred gilts, mated to a good son of the 1948 Nebraska grand champion, others bred to a top son of **FAIRVIEW SENSATION.** They are most all sired by the 1st prize **F.F.A.** boar at 1947 Iowa State Fair. Bred for March and April farrow. Immune. **Reasonable.** Farm 2½ miles east.

E. L. TIMMONS & SONS
Ocheyedan, Iowa

DUROC BRED GILTS

Choice gilts bred to **PROUD IMPROVER** 326801, **PROUD SECO MODEL** 337761 and **JUST RIGHT AGAIN** 326931. Good type and quality. Excellent breeding. Priced right.
SAM ROBERTS & SONS JEFFERSON, IOWA

DUROC BRED GILTS

Choice gilts, mated to outstanding boars, litter mates to 65 good boars sold privately. The thick, easy-feeding type, that finish at any age and grow large. **REASONABLE.** Write or visit.
N. W. TOPF & SONS SALIX, IOWA

CHOICE DUROC GILTS

Bred to sons of **Kayward Leader**, 1948 Iowa Reserve Grand Champion, and **Real Triumph**, 1947 Indiana Grand Champion. You will find these gilts are top buys—good quality, well grown. Immune. "The Kind That Satisfy." Write or visit.
EARL DRUMMY, ½ mi. S., 3 mi. E., Ryan, Iowa

DUROC BRED GILTS

Choice, large, dark red gilts sired by **MASTER LEADER 1st, FANCY BLAZER SR.,** and **RED CHEYENNE.** Bred to **HI-ROLLER** for March and April. Also outstanding fall gilts at bargain prices.
CHARLES DAHLKE SCRANTON, IOWA

HAMPSHIRES

SKOW'S HAMPSHIRES

Again in the lead. Grand champion barrow at 1948 Kossuth County fair by a son of **FAULTLESS**, bought by us at 67½c per lb., a new high at a District fair. We are now offering at private sale top spring boars; also bred gilts, the pick from our crop of 350 pigs sired by a son of the famous **FAULTLESS**, the same sire of the champion barrow. Others by a son of **COMPREST SPECIAL** and a son of GOLD DUST. Our sow herd rich in the blood of **CONSCRIPTION MODEL, NEW GLORY, NEW IDEA** and other popular blood lines. **SPECIAL!**

Fall boars: Largest selection in north Iowa. Rugged late fall and winter boars for the large hog producer by son of **O'BRYANS** All American **BRIGHT BOY** and **GOOD NEWS.** If you want them we can supply one or a truck load. We can arrange delivery on 5 or more head in a community at a very reasonable rate. Come and see us. Also registered Hereford bulls ready for heavy service.
JOSEPH A. SKOW WESLEY, IOWA

HAMPSHIRE BOARS

Large rugged boars mostly sired by our Spencer Grand Champion, **HI-HOPE MODEL BOY.** Many of the boars from the show herd sell including the 1st prize spring boar. They will please and priced to sell.
ALBERT L. LARSON AYRSHIRE, IOWA

HEREFORD HOGS

HEREFORD HOGS
NEW! DIFFERENT! DISTINCTIVE MARKINGS!
SHIPPED C O D YOUR APPROVAL
FREE CIRCULAR
VALEHURST FARMS, PEORIA, ILL.

MINNESOTA NO. 1 HOGS

MINNESOTA NO. 1 HOGS

Choice registered bred gilts, also fall boars and gilts. Large selection. **REASONABLE.** Farm 6 miles southeast of Cedar Rapids and 1 mile south of Bertram. Phone **3-8027.**
WILLIAM BROS. R. 3, CEDAR RAPIDS, IA.

POLAND CHINAS

HILL BROOK FARM

Choice **POLAND CHINA** gilts bred for March and April farrow. **HILL BROOK FARM** has never offered a better lot of **POLAND CHINAS** in the last 43 years of breeding experience. Good type, rich pedigrees and real quality. PRICED TO SELL.

OTTO F. SCHRUNK & SONS
Mapleton, Iowa

REG. POLAND CHINAS

Choice gilts bred to **TOP FLIGHT** and **CORNERSTONE** for March farrow. Suitable for **4-H** and **F.F.A.** or purebred herds. Immune. Ship anywhere. REASONABLE. Phone, write or come.
VINCENT MANDERSCHEID Maquoketa, Iowa

SPOTTED POLAND CHINAS

SPOTTED POLAND GILTS

35 choice bred gilts, the long, smooth, easy-feeding type by **GOLD BRICK**, the 2d top in Woodyard's 1947 sale. All bred to a top son of **BOZO** and an outstanding son of **ANSWER.** Best in breeding and quality. Potential **4-H** prospects. Will ship anywhere. **REASONABLE.** Act Now.
[illegible] NEITDERHISAR TIFFIN, IOWA

SPOTTED POLAND GILTS

Choice Registered bred gilts, mostly mated to **BORDER CHIEF**, a top son of **BIG CHIEF.** Good type and breeding. Ship anywhere. Priced to sell.
[illegible] ROLL FULDA, MINN.

U. S. SAVINGS BONDS ARE SAFE

TAMWORTHS

TAMWORTH BOARS

Choice boars we know will please you. Good type and good breeding. Write us or come and see them.
PROPST BROS., R. R. 3, IOWA CITY, IOWA

YORKSHIRES

YORKSHIRE HOGS

Registered Breeding Stock of all ages for sale.
PORTERS YORKSHIRE FARM
ELDRIDGE, IOWA
8 miles north of Davenport

REGISTERED YORKSHIRES

Offer a few good sows bred for April farrow. Also 50 September fall pigs, both sexes. Reasonable.
WAYNE BOWERS MOVILLE, IOWA

SHEEP

4th Annual

BRED EWE SALE

Southwest Iowa Purebred Sheep Breeders Association

DES MOINES, IA., JAN. 22nd

At the Woolhouse, 313 S. W. 5th St.

60 HEAD

OXFORD, HAMPSHIRE, SHROPSHIRE

Choice Ewes selected from best flocks in this section. Come. Ask for **FREE** catalog. Kindly mention this publication. Address

Dwight Carmichael Villisca, Iowa

BRED EWE SALE

Fair Grounds

OSKALOOSA, IOWA, JANUARY 21st—1 P. M.

Hampshires — Shropshires — Southdowns
Suffolks — Cheviots — Oxfords

We hope all of the **4-H** and **F.F.A.** boys, farmers and sheep breeders who want to buy good **ewes**, mated to outstanding **rams**, fed and managed for the best interest of the purchaser, and from local breeders who can be depended on, will keep this sale in mind and write for **FREE** catalog.

WILBUR COLVILLE, Secy., CEDAR, IOWA
Mahaska Purebred Sheep Breeders Association
Max Browneller, President

Hampshire Ewes For Sale

We have 50 Registered Ewes bred to our son of **BULLET** and our other prize winning stud rams. The ewes are of our own breeding and will make good 4-H or F.F.A. projects. They are priced to sell. Visit our farm or write.

RAYMOND SAYRE & SON
Ackworth, Iowa

SUFFOLKS — LINCOLNS — COTSWOLDS

Rams, all ages. 150 bred ewes. Bred to Champion rams. Shipped on approval.
CRANDELL'S PRIZE FARMS, ITHACA, MICH.

SHROPSHIRE SHEEP

Yearling rams and bred ewes. Best blood lines. QUALITY WITH SIZE
Prices Reasonable
H. E. HAZEN DENMARK, IOWA

PUREBRED OXFORD EWES

Choice Ewes, mostly 2 years old, some older. Bred for February. Price **$35.00** each, in lots of 5 or more.
V. E. LEWIS VILLISCA, IOWA

HAMPSHIRE BRED EWES

Choice registered bred Ewes. They are thick, low-set individuals, of good type and quality to lamb in March. Reasonable.
CASPER TORKELSON STORY CITY, IOWA

HAMPSHIRE EWES

Fine purebred ewes of good quality. Bred to lamb February, March and April. Write for particulars. Phone 901.
M. O. TJERNAGEL STORY CITY, IOWA

DOGS

Notice—Unsatisfactory dogs must be returned within time specified by advertiser. Buyer always pays express charges (both ways if dog is returned) unless advertiser states in advertisement that he will do so.

GENUINE ENGLISH SHEPHERD PUPS

Guaranteed heelers. Year's trial, training instructions. Males, females or spayed females.
HIGHVIEW KENNELS, CEDAR FALLS, IOWA

BEST YET

ENGLISH SHEPHERD PUPS

Guaranteed to bring home the cows. Year's trial. Choice of sex. Spayed females a specialty. Priced right.
CLOVERDALE FARM ACKLEY, IOWA

Purebred Border Collies English Shepherds America's most useful dogs. Puppies all ages. Both sexes. Choice colors. Faithful workers. Satisfaction guaranteed.
We breed and sell our own stock.
FAIRMOUNT FARMS - CEDAR FALLS, IOWA

SHEPHERDS, COLLIES

ENGLISH SHEPHERD, OR COLLIE PUPS for watch and stock. Also registered Scotch collies. Reasonable.
ZIMMERMAN FARMS FLANAGAN, ILL.

GENUINE ENGLISH SHEPHERD PUPS

(Heelers, no fooling.) (Year's trial.) Guaranteed. Training instructions. Males, females, spayed females specialty. (Several partly trained.)
EMIL RUMFT
Reinbeck, Iowa

WANTED TO BUY

Good English Shepherd or Collie Pups
Write Box 1, Wallaces' Farmer and Iowa Homestead

Shomont Collies

Workers—Companions—Guards. Write for free lists.
SHOMONT FARMS AND KENNELS
MONTICELLO IOWA

FIRST

CHAMPION MARKET LITTER AT IOWA STATE FAIR

E. G. Bodenhamer & Sons FFA Show Winners

—"Have been feeding Kidman's Standard Stock Powder for 6 years, ever since we started. It is tops. We showed champion market litter in FFA Show at Iowa State Fair and our second best litter was 4-H champion market litter at Spencer Fair. We raise 300 purebred Chester Whites a year and they all get Kidman's."

E. G. Bodenhamer & Sons
Spencer, Iowa

OWNERS OF CHAMPIONS FEED

KIDMAN'S STANDARD STOCK POWDER

Champion quality and breeding PLUS Kidman's Standard Stock Powder — a winning combination for over 50 years. For greater growth and greater profits use Kidman's Mineral and Vitamin Supplements with your own home grown grain.

For Hogs, Cattle, Sheep and Poultry.

Sales Representatives Wanted

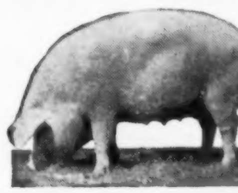
STANDARD STOCK POWDER COMPANY
DEPT. W-6 DES MOINES, IOWA

ROSS O. WILLEY & SON'S SALE

Royally Bred Chester Whites

Horse Livestock Pavilion at Stock Yards

Sioux City, Iowa, Monday, February 7th



60 BRED SOWS

Our sale is scheduled to begin at 1:00 o'clock and we are selling one of the great offerings of the winter season. Our sows will be recorded in either association, as the buyer prefers, free of charge, double treated for cholera, by state accredited veterinarian.

Our sows are bred to two of the greatest Chester White boars in the state of Iowa, and two of the best bred boars. Our gilts are sired by Rite Model Spotlight, Exploiter Again, Alfalfa Performer 2d, Portage Renown, and McBride's Silver Balancer. The dams of the offering carry the blood of Big Chief, Elmo's Giant, Iowa Lad, Alfalfa Chief, Portage Renown and Alfalfa Performer 2d.

Our gilts are bred to **WILLEY'S SILVER BALANCER** 573267, one of the greatest boars of the breed in the state of Iowa, and he is a son of McBride's Silver Balancer. He is out of Porky's Queen Again, a litter sister to the 1947 Iowa senior reserve champion. This young Balancer boar has bulging hams, is very smooth and plenty of length of body and a perfect disposition. Some of our sows are bred to Iowa Exploiter, a grandson of The Exploiter, a magnificent young boar of the type so much in demand today. Sows bred for March and April farrow. It is the most uniform offering that we have ever sold and the best. Write for our catalog at once and please mention Wallaces' Farmer and Iowa Homestead. Address

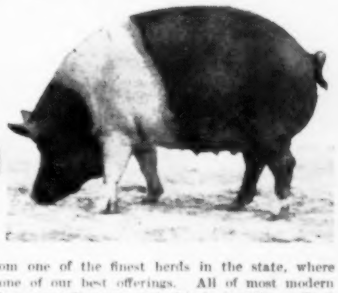
ROSS O. WILLEY & SONS, ONAWA, IOWA

Auctioneer, J. E. Halsey M. T. White, Fieldman

QUALITY HAMPSHIRES

Sell in Comfortable Sale Pavilion

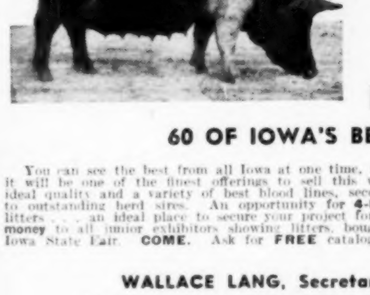
Iowa Falls, Iowa Tuesday, Feb. 8th



45 EXTRA CHOICE GILTS

A wonderful offering selected with great care from one of the finest herds in the state, where top quality has been produced for years. This is one of our best offerings. All of most modern type, displaying real merit and unusual quality. They are well grown and rich in breeding. Bred for early farrow to **SUPERIOR BOUND**, 1st senior yearling at 1948 Iowa State Fair, and will be mated to daughters of **MOHAWK, SPELLBINDER** and **SHINE ON; PROGRESS BOUND** by Cherry Trust. He will be mated mostly to daughters of **CRACKER JACK** and **TIMBER LAD**, a son of Timer. You will want a good gilt mated to one of these boars. **COME.** Ask for **FREE** catalog. Kindly mention this publication. Address

LETTOW BROS., ALDEN, IOWA



IOWA STATE HAMPSHIRE SALE

SHOW—10:30 A. M.
SALE—1:00 P. M.
At Waterloo Dairy Cattle Congress

WATERLOO, IOWA FRIDAY, JANUARY 28

60 OF IOWA'S BEST WILL SELL

You can see the best from all Iowa at one time, selected from leading breeders in the state . . . it will be one of the finest offerings to sell this winter. Outstanding individuals, modern type, ideal quality and a variety of best blood lines, second to none. Sired by good boars and mated to outstanding herd sires. An opportunity for **4-H** and **F.F.A.** members, many bred for early litters . . . an ideal place to secure your project for next season. This Association will pay **prize money** to all junior exhibitors showing litters, bought in **Dam** at this sale and shown at 1949 Iowa State Fair. **COME.** Ask for **FREE** catalog. Kindly mention this publication. Address

WALLACE LANG, Secretary, BROOKLYN, IOWA

IOWA HAMPSHIRE BREEDERS' ASSOCIATION

FOR LATER YEARS—BUY SOME TODAY!
BUY U. S. SAVINGS BONDS—THEY ARE PROTECTION

Advertisement

From where I sit ... *by* Joe Marsh

I'm Glad We're "Different!"

There's a lot of difference of opinion in our county on the best kind of pasture. Some say alfalfa mixed with bromegrass—others say mixed with oats or barley. But all agree that a *mixture's* better than a single crop.

I sometimes think people are the same way—and the strength of America is its *mixture* of so many different strains—some from one country, some from another—right down to little differences: like folks who have a taste for beer and those who prefer cider.

From where I sit, so long as we never become intolerant of one another's tastes—so long as we live together with our differences, and even *supplement* them the way bromegrass does alfalfa, we're a mighty good crop!

So neighbor—enjoy your cider while I enjoy my beer! Vote for your candidate—I'll stand by mine! But never let our differences divide us!

Joe Marsh

Copyright, 1948, United States Brewers Foundation

ANNUAL SALE

WILLEY'S DUROC BRED GILTS

At farm, located 15 miles northeast of Fort Dodge, and 2 miles northeast of

VINCENT, IOWA
MONDAY, FEBRUARY 7th
60 Excellent Spring Gilts

We are again selling a classy lot of medium type gilts. They are sired by such boars as **FANCY BLOCK BUSTER**, 1947 Nebraska Grand Champion; BREEDERS HERO, 1947 Reserve Jr. Champion at Iowa; **GOLDEN TREND**, 1947 Nebr. Jr. Champion; **MASTERWAY**, 1947 Missouri Jr. Champion; **FLEETLINE**, 1947 Iowa Jr. Champion; **TOP STAR**, 1948 Mo. Grand Champion; **MODERN DESIGNER**, 1947 Wisconsin Jr. Champion, and other top ranking boars of the breed. These choice gilts are mated to **FLEETLINE'S PRIDE**, 1948 Nebr. Reserve Jr. and Grand Champion, and to **AMERICAN ROYAL**, Grand Champion Boar of the 1948 American Royal at Kansas City. Plan now to attend this sale. Kindly mention this publication when asking for **FREE** catalog.

ELMER WILLEY, VINCENT, IOWA
Auctioneer, John Hall

DUROC SALE

OAKDALE ROYAL TOPS

At farm, 2 miles north and 1 mile east of

RENWICK, IOWA, TUESDAY, FEBRUARY 8th

We have carefully selected this offering from a large number of big broody gilts that have been raised on clean ground. They have been fed a balanced ration and are receiving ample exercise to enable them to be good producers for their new owners. This good offering will be bred to **OAKDALE ROYAL TOPS**, 1946 Missouri Jr. and Reserve Grand Champion, and sired the 1948 Iowa Jr. Champion boar, **SMOOTH LEADER**, 2nd at Iowa and a proven sire of the right kind, and by **SPECIAL TREND**, a great pig selected for his individuality and producing blood lines from the Maahs Bros. fall offering. The gilts are sired by such breed-building boars as **PROUD REFORMER, SMOOTH LEADER, OAKDALE ROYAL TOPS, LOWSET, PROGRESS, MODERN DESIGNER, FLEETLINE,** and **FAIRVIEW SENSATION**. Two maternal sisters to the 1948 Iowa Grand Champion Sow will sell. Plan now to attend. Please mention this paper when writing for **FREE** catalog.

W. H. HELMKE & SONS, RENWICK, IOWA

Duroc Bred Gilt Sale

At Clay County Fair Grounds

Spencer, Iowa

Thurs., January 27

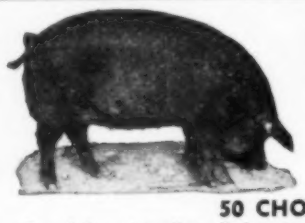
45 CHOICE DUROC JERSEY GILTS

Good, sound practical Duroc's at their best. The kind and type that will make hog production profitable for their new owners. Many of these well-grown gilts will carry the services of **MODERN DESIGNER**, the Junior Champion boar of Wisconsin, 1947. Many breeders, farmers, and fieldmen consider this boar to be one of the leading boars of the breed. The Jr. Champion gilt at Springfield, Mo., carrying the services of this great boar for a March 10 litter will be one of the features of this good offering. A number of choice gilts sired by Modern Designer have been mated to **DIAMOND SUPREME**, top selling boar in the Gahde sale at Nebraska City, Nebr., sired by the noted Royal Supreme 3rd, and to **FLEETLINE COMPLETE**, a very classy son of the 1947 Iowa Jr. Champion boar, Fleetline. We have produced sound, practical Duroc's for many years as is evident in the fact that we annually sell 90 boars privately each fall. See this offering before you buy your breed sows. Kindly mention this publication when writing for **FREE** catalog.

JOHN B. GEERDES, EVERLY, IOWA

Send mail bids to Maurice Boney, Fieldman, in our care

DUROC SALE



At the farm, on Highway 75, 3 miles north of

SIOUX CENTER, IOWA
JANUARY 26, 1949

50 CHOICE BRED GILTS

One of the outstanding offerings to sell this winter. Selected with great care from our large crop of 490 spring pigs. The gilts are sired by Grandmaster, Pilot, Broad Fancy, and Marvel King. Half of the offering will be half sisters to the 1948 Grand Champion sow at Minnesota State Fair and include a number of show prospects. This well grown offering is bred for March farrow to **MR. BLUE PRINT**, a proven sire of outstanding merit who has sired many winners at the big Spencer Fair. **IMPROVERS LAD B.**, from the Wilber Newlin herd of Indiana and a full brother to the 1st Jr. yearling at the Ohio State Fair, and to Blender Style King, a top son of the Iowa Grand Champion. Farmers will be pleased with the kind and type. They have been fed a balanced ration with an eye on their future usefulness. Please mention this paper when writing for **FREE** catalog.

BERT BROEK & SONS, SIOUX CENTER, IOWA

QUALITY DUROCS

Sale at farm, 1 mile north on black top all-weather road

WEST LIBERTY, IOWA, FEB. 1st

50 A grand offering, well-grown, displaying real type, excellent merit and wonderful quality. All spring gilts sired by **MODERN TREND, FLASHY BUTCH, BREEDER'S FANCY BOY, RED CRUSADER, FENMAR ROYAL TYPE, DOUBLE DECK, KOMPACT KADET, THE KING PIN** and **ORION'S REWARD** . . . breeding unexcelled. Mated to **ZIPPY**, the 1948 popular Iowa Junior Champion and **ACEWAY JR.**, a good thick, stylish son of Aceway. The sort for genuine brood sows. **Come.** Ask now for **FREE** catalog. Kindly mention this publication.

GERALD D. NEVINS, WEST LIBERTY, IOWA

High Class Durocs

In Hess's new livestock sale pavilion on Highway No. 136, south of

DYERSVILLE, IOWA
WEDNESDAY, FEBRUARY 2d

50 TOP SPRING GILTS

A grand offering selected with care from a large number. All sired by **TOP SET**, 1st prize aged boar at 1947 Iowa State Fair and **FLASHY BUTCH**, 1947 Minnesota Junior Champion . . . both great sires. Bred to **TRANSMITTER**, the sensational 2d prize boar at 1948 Iowa State Fair and **TOP** selling boar in **PEARSON** sale, a son of Spotlight's Pride and **FLASHY BUTCH**, the popular Minnesota Champion. Included is the 1st prize spring gilt at South Dakota and 2d prize gilt at Minnesota, with others of like quality. Best offering we ever sold, well grown, displaying type, excellent color, real merit and ideal quality, gilts weighing up to **500** lbs. only day and bred for March farrow. You will want one or two. **COME.** Please ask for our **FREE** catalog, kindly mention this publication.

GREGOR F. VASKE & SONS, DYERSVILLE, IOWA

FANCY LEADER
Our 1947 Grand Champion

SHADELAND FARMS

61st DUROC SALE

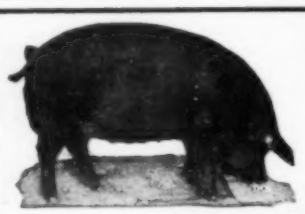
Just north of Rock Rapids, Iowa, at farm 5 miles west of

LUVERNE, MINN., JANUARY 25

48 Head of Bred Gilts

This is another choice lot of big, broody Duroc Gilts, mostly sired by the 1948 Minnesota Grand Champion, **LUCKY PROMOTER**, and by **ROYAL DIAMOND**, the boar that sired the 1948 Iowa Reserve Champion, also the Jr. Champion boar and gilt at the 1948 Minnesota State Fair. This carefully selected offering is bred for late February and early March farrow to the champion **LUCKY PROMOTER, ROYAL DIAMOND, GRAND TREND,** and **RED DUKE**, a great battery of herd boars. Juhl bred Duroc's do well for others. Over 30 years of constructive breeding. Please mention this paper when writing for **FREE** catalog.

JUHL BROS., LUVERNE, MINN.
John Hall, Auctioneer



KNOTEK - TIMM DUROC SALE

At Timm farm, in comfortable pavilion on farm, located 3 miles west on No. 22

MUSCATINE, IOWA
THURSDAY, FEB. 3, 1949

50 OUTSTANDING SPRING GILTS

A grand offering selected from two greeat herds. The easy-feeding kind sold in the past, bred and fed for their usefulness, to produce strong husky litters. Reports of excellent results from our past sales, encourage this good offering. They are by **AIRWAY, SNAPPY, DOUBLE DECK, MODERN TREND, MODERN TIME, INVINCIBLE SPECIAL, SIGOURNEY CROWN PRINCE, DELUXE** and **TOPSET**, breeding unexcelled. Mated to 4 wonderful boars, **TYPESETTER** 375399, **KEYNOTE** 392367, **COMPREST** 368151, and **POWERHOUSE** 382279 . . . top blooded boars of the breed and well liked by all who have seen them. Improve your herd, buy in this sale. **COME.** Ask for **FREE** catalog. Please mention this publication. Address either

KNOTEK BROS.
Riverside, Iowa

HAROLD C. TIMM
Muscatine, Iowa

Coming Livestock Sales

ABERDEEN ANGUS

Jan. 31—Merrill S. Castle Dispersion, Morton, Ill.
Feb. 14—Central Illinois Breeders Bull Sale, Congerville, Ill.; S. E. Lantz, Secy.
Feb. 15—Lamoine Valley Breeders Assn., Macomb, Ill.; Bruce Brick, Sale Mgr.
Feb. 28—Johnson's Sil... Farms, Dispersion, Belton, ...; J. B. McCorkle, Mgr., A.I.U. Bldg., Columbus, Ohio.
Mar. 1—Penney & James, Hamilton, Mo.
Mar. 2—North-Central Missouri Breeders, Chillicothe, Mo.; Lewis Anderson, Secy.
Mar. 3—Northeast Missouri Breeders, Memphis, Mo.; W. R. Dierks, Secy.
Mar. 8-9—Iowa State Show and Sale, Des Moines, Iowa; Gerald Parks, Secy., Ames, Iowa.
Mar. 14—Interstate Association's Show and Sale, Sioux City, Iowa; P. K. Pratt, Secy., Walnut, Iowa.
Mar. 16—Bureau County Breeders, Princeton, Ill.; Forrest Olson, Secy., Wyanet, Ill.
Mar. 19—Mercer County Breeders, Aledo, Ill.; Hugh McWhorter, Secy.
Mar. 21—Wilton Farms, Otto G. Nobiis, Davenport, Iowa.
Mar. 21—Night Sale, Eastern Iowa Assn., Davenport, Iowa; Oliver A. Hansen, Secy., Durant, Iowa.
Mar. 22—Goose Creek Farms, Nau & Son, Bar-H Farms and Twin Knoll Farms, Columbus Jct., Iowa.
Mar. 23—Frank Bradley & Sons, Avon, Ill.
Apr. 23—Central Illinois Breeders, Congerville, Ill.; S. E. Lantz, Secy.
Apr. 27—Marion County Breeders, Knoxville, Iowa; Herbert Cline, Secy., Bussey, Iowa.
Apr. 28—...ycrest Farms, John D. Warin, Maloy, Iowa.
May 27—Hoelscher Bros., Arcadia, Iowa; sale at Carroll, Iowa.
May 31—TaHcorn Breeders Assn., Marshalltown, Iowa; C. G. Mason, Secy., Box 243.

HEREFORDS

Jan. 24-25—Iowa State Show and Sale, at Des Moines, Iowa; J. C. Holbert, Mgr., Box 492, Washington, Iowa.
Jan. 26—Dr. M. M. Stephens, Dispersion, Clifton Hill, Mo.
Jan. 27—Bianchi Hereford Ranch, Macon, Mo.
Feb. 7—Creston Hereford Breeders, Orient, Iowa; Lloyd H. Woods, Sale Mgr., Creston, Iowa.
Mar. 10—West-Central Iowa Assn., Denison, Iowa; L. S. Curran, Mgr., Floyd, Iowa.
Mar. 17—Southeast Iowa Breeders Assn., Mount Pleasant, Iowa; N. K. Hartley, Secy., Hillsboro, Iowa.
Apr. 12—Northeast Missouri Assn., Memphis, Mo.; Geo. E. Leslie, Jr., Secy.

POLLED HEREFORDS

Feb. 10—Northwest Polled Breeders Assn., at Sioux City, Iowa; Ed Krise, Sale Mgr., Rock Rapids, Iowa.

SHORTHORNS

Jan. 31—Marshall County Show and Sale, Marshalltown, Iowa; Geo. H. Lewis, Mgr., Route 1, Marshalltown, Iowa.
Feb. 8—Holm Bros. (Dispersion), Corwith, Iowa; at Webster City, Iowa; Merv. F. Aegerter, Sale Mgr., Seward, Neb.
Feb. 16—...th Annual Spring Show and Sale, South Omaha, Neb.; Merv. F. Aegerter, Mgr., Seward, Neb.
Mar. 1—Illinois State Sale, Normal, Ill.; Hal Longley, Mgr., 16 S. Locust, Aurora, Ill.
Mar. 7-8—Interstate Shorthorn Breeders, Sioux City, Iowa; F. E. Jackson, Mgr., Hurley, S. D.
Mar. 11—North Iowa Breeders, Mason City, Iowa; Merv. F. Aegerter, Mgr., Seward, Neb.
Mar. 14-15—Iowa State Show and Sale, Des Moines, Iowa; Chas. Garden, Mgr., R. 6, Des Moines, Iowa.
Mar. 16—Missouri State Sale, Sedalia, Mo.; Merv. F. Aegerter, Mgr., Seward, Neb.
Mar. 18—Breeders Sale, Abingdon, Ill.; Hal Longley, Mgr., 16 S. Locust, Aurora, Ill.
Mar. 21—Emery Larson, Harlan, Iowa, and Herman Lehting, Arcadia, Iowa; sale at Carroll, Iowa.
Mar. 28—Northwest Missouri Breeders, Maryville, Mo.; James Meyer, Sale Mgr.
Mar. 29—Sioux Empire Shorthorn Club, Sioux Falls, S. D.; Al Halverson, Secy., Box 841, Sioux Falls, S. D.
Apr. 4—Southwest Iowa Breeders, Red Oak, Iowa; Malcolm D. Lomas, Secy.

POLLED SHORTHORNS

Feb. 12—T. A. Collins (Dispersion), Adel, Iowa.
Feb. 17—...th Annual Spring Show and Sale, South Omaha, Neb.; Merv. F. Aegerter, Sale Mgr., Seward, Neb.
Mar. 11—North Iowa Breeders, Spencer, Iowa; E. S. Garton, Mgr., Marshalltown, Iowa.
Mar. 19—Illinois State Sale, Normal, Ill.; Hal Longley, Mgr., 16 S. Locust, Aurora, Ill.

DAIRY CATTLE

Jan. 19—Joe Merino (Jersey Dispersal), Trenton, Mo.; Donald J. Bowman, Sale Mgr., Hamilton, Mo.
Jan. 21—Amos Roetman, Hull, Iowa, and Peter Mouw (Holstein Dispersion), Boyden, Iowa.
Jan. 22—"Mike" Stewart, Maynard, Iowa, Holstein Dispersal, at Waterloo, Iowa; Baird & Darcey, Mgrs., Waukesha, Wis.
Jan. 25—Woods Hill Farm (Guernsey Dispersion), Farmville, Minn.; G. R. Melin, Mgr., 4529 Bryant Ave. S., Minneapolis 9, Minn.
Jan. 31—Merle Moser (Jersey and Holstein Dispersal), Nevada, Iowa; Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
Mar. 21—Iowa State Holstein Assn., Waterloo, Iowa; Dallas V. McGinnis, Secy., 912 Waterloo Bldg.
Apr. 29—Iowa State Guernsey Breeders, Des Moines, Iowa; C. H. Jennings, Mgr., R. 4, Iowa City, Iowa.

BERKSHIRES

Jan. 19—Hi View Farm, Dispersion, Eagle Grove, Iowa.
Feb. 15—W. H. Zeisness & Son, Colo, Iowa.
Feb. 17—Axel and Tom Conover, Holstein, Iowa.
Feb. 18—Robert M. Jacobsen, Hancock, Iowa.

CHESTER WHITES

Feb. 3—Jay Manly, Sac City, Iowa.
Feb. 3—Clarence E. Smith, Paullina, Iowa.
Feb. 7—Ross Willey & Son, Onawa, Iowa; sale at Stockyards Sale Pavilion, Sioux City, Iowa.
Feb. 9—A. L. Bidne & Son, Lake Mills, Iowa.
Feb. 10—Roy V. Copp, Glidden, Iowa.
Feb. 11—C. T. Keen & Sons, Legrand, Iowa.
Feb. 15—Robert A. Meyerhoff, Dunkerton, Iowa; sale at Waverly, Iowa.
Feb. 18—R. A. Riemenschneider, Kingsley, Iowa.
Feb. 19—Albert H. Stuart, Newhall, Iowa.
Feb. 21—Central Iowa Breeders, Des Moines, Iowa; Russell G. McBride, Secy., 2005 School St.
Feb. 21—R. F. Held & Sons, Hinton, Iowa; sale at Sioux City, Iowa.
Feb. 22—Westcott Bros., Denison, Iowa.
Mar. 20—Nick Terpstra & Sons, New Sharon, Ia.

DUROC JERSEYS

Jan. 18—Iowa Duroc Breeders Assn. Sale, Marshalltown, Iowa; M. C. Cramer, Secy., Monroe, Iowa.
Jan. 19—Ernest L. McDermott, Wiota, Iowa.
Jan. 19—Joe Merino, Dispersion, Trenton, Mo.; Donald J. Bowman, Sale Mgr., Hamilton, Mo.
Jan. 25—Juhl Bros., Luverne, Minn.
Jan. 26—Bert Broek & Sons, Sioux Center, Iowa.
Jan. 27—John R. Geerdes, Everly, Iowa; sale at Spencer, Iowa.
Jan. 28—Norman D. Erickson, Stratford, Iowa.
Feb. 1—Gerald D. Nevins, West Liberty, Iowa.
Feb. 2—Gregor F. Vaske & Sons, Dyersville, Iowa.
Feb. 3—Knotek Bros., Riverside, Iowa, and Harold C. Timm, Muscatine, Iowa.
Feb. 7—Elmer Willey, Vincent, Iowa.
Feb. 8—W. H. Helmke & Sons, Renwick, Iowa.
Feb. 11—Walter Riebelsell, Calumet, Iowa.
Feb. 12—Melvin Jensen, Everly, Iowa; sale at Spencer, Iowa.
Feb. 12—J. C. Holbert, Washington, Iowa.
Feb. 14—Willard Kline, Iowa Falls, Iowa.
Feb. 24—Knotek Bros., Riverside, Iowa, and Harold C. Timm, Muscatine, Iowa.

LIVESTOCK FIELDMEN

M. T. WHITE, 604 No. Fortieth St., Omaha, Nebraska. Phone Walnut 1056.
J. E. HALSEY, 1912 Grand Ave., Des Moines.
M. W. BONEY, Box 740, Storm Lake, Iowa; Phone 970-R.

We publish the FIRST and THIRD Saturday of every month. Copy for livestock advertising must reach our office FIFTEEN days before date of issue.

Around the Farm AND IN THE Feed Lot

by HOWARD MARSHALL

NOW THAT WE ARE in the New Year, our thoughts naturally center around questions of what 1949 will bring. In the farm picture, we wonder about livestock and other prices; federal and state farm programs; support prices; the effect of weather on our production; domestic and foreign demand for farm products, and a dozen other items. No one can know the answers now, but this much is sure, efficient feeding and management will again pay off.

BECAUSE DEMAND for meat is expected to continue high all through 1949, and prices will probably also remain up pretty well, livestock feeders will want to do their level best to feed efficiently. Hog raisers can do a lot to increase national meat supplies, and their own returns as well, by following proper feeding practices for their pregnant sows. Addition of Walnut Grove Minerals to the ration will help put the "expectant" porkers in tip-top shape.

ON THIS MATTER of proper feeding of the brood sow, along with supplying minerals and plenty of fresh water, the keeping of good, leafy, green legume hay or alfalfa leaf meal is important and helps provide a source of Vitamin A. Of course, every efficient feeder is providing the pregnant sows with the right protein supplement in addition to the grain, minerals, water and legume hay and meal they should receive.

FOR NEARLY THIRTY years, Walnut Grove Livestock Minerals have been one of the quality pieces of merchandise in the livestock field. We who manufacture Walnut Grove are proud of this record and continue to manufacture the highest quality minerals on the market. Livestock men of Adair and Union counties, Iowa, who believe in Walnut Grove quality, among many others, include Leslie Ramsbottom and his son, Clair, on two farms, Howard Sherer, Art Roland, Clint Walters, Allen and Robert Roskinson, brothers on two farms, and Kenneth Bissell. Our representative in this territory is Ed Kralik, of Cromwell, Iowa.

PROOF of the severity of midwestern blizzards was again seen early this winter when that late November storm broke over the western corn belt. Reports from Kansas alone reveal some 10,000 cattle and 45,000 sheep perished for an estimated $3,000,000 loss to Kansas ranchers.

FARM MACHINERY generally is in the same class with fencing and similar "hard-to-get" stuff. Retail farm equipment dealers meeting in Des Moines last month said that while the picture is brighter on tillage tools and on some of the lighter stuff like milking machines, the heavier equipment, like tractors, plows, combines and corn pickers, will continue in very short supply. It will be a good idea to get repair parts as soon as possible and make the old job do another year.

MOST CATTLE MEN now realize that it pays to feed a good mineral to dairy and beef cattle. They realize that cattle need mineral now just the same as hogs do. Some of our customers in Buchanan county, Iowa, who use Walnut Grove Minerals in their feeding operations include Fred Shaffer, Joe Kayser, Harry Hickman, Bernard Allen, Mayland Dunlap, Ed Franks and Chris Christensen. These men receive their Walnut Grove through our representative in that territory, Ray Sherrets.

CRIME DOESN'T PAY—not even in the hog lot. At least, that's what a 42-year-old Illinois man, Otto Sauk, is saying these days. Sauk stole 23 hogs last winter, and although he got away with it for months, the law finally caught up with him, and now he has ten years to think it over in the state prison.

FERTILIZER USE has been increasing by leaps and bounds during the past few years. In Iowa, there were only about 8,000 tons used ten years ago, whereas, last year's production amounted to some 300,000 tons or more. Corresponding with the increase in commercial fertilizers has been the increase in hybrid corn yields. Back in '37, forty-bushel-per-acre yields were considered good. This past year Iowa averaged 61 bushels per acre—and fertilizer must get part of the credit.

IT HAS BEEN DEFINITELY established that proper feeds given to a pregnant sow will produce stronger, healthier pigs at birth. Good hog men balance their feeds with carbohydrates, fats, proteins, minerals and vitamins. Walnut Grove Minerals make a very good balancer for home-grown grains. Among our many customers in Humboldt county, Iowa, who use Walnut Grove Minerals in their rations, are Herman Krause, Bert Febold, Clarence Hock, Lyle Strachem, Albert Maach, Fritz Krause and Oluf Kleveland. These men receive their Walnut Grove through our long-time representative in that territory, Harry Fain, of Humboldt.

HAVE YOU EVER STOPPED to think that sometimes just a quarter turn of the carburetor will enable your tractor to plow an extra acre on a fill of gas, and that frequently the tightening of a separator screw just a bit will add several dollars to the week's cream check? Well, by the same taken, a 2 per cent addition of Walnut Grove Minerals to the ration willl save grain so as to make you more money in your feeding operations.

SO-CALLED HYBRID HOGS have been an interesting and a controversial subject at times. Recent reports from the USDA, based on a small number of animals, shows that Landrace-Polands, when crossed with Chester Whites, averaged 12 per cent heavier at birth, compared with straight crossbreds and with purebreds. At five months, they were 14 per cent heavier.

AMONG IOWA'S Master Swine Producers who were named last month was Melvin Stolz, a Boone county farmer who does an outstanding job of hog production on his 80-acre place. Mr. Stolz raised 105 pigs from 12 sows, and registered a daily average gain of $1\frac{1}{4}$ pounds. He stresses keeping pens dry and pigs clean, with fresh water at all times. He is a firm believer in Walnut Grove Minerals.

A LITTLE EXTRA ATTENTION now to brood sows carrying spring pigs will be time well spent. Feeding and sanitation are very important. Walnut Grove Mineral used to balance the ration will also be very profitable. Among our many customers in Story county, Iowa, who use Walnut Grove in their feeding plans, are Ole and Joe Ramsey, cousins on two farms, Raymond Sande, Ed Davis, Delmer Toot, Bud Reilly and Arnold Franzen. Our representative in this territory is John Berrett, of Ames.

THE WESTERN Grain and Feed Association, in a recent bulletin, raised the question, "How many more than five?" and with it had a picture of a sow suckling eight pigs. The leaflet went on to point out that feeding a sow six months costs about the value of five pigs at birth, and that the EXTRA pigs are the ones that really count.

WE ARE STILL LOOKING for a few additional good men to represent Walnut Grove in several Iowa areas. Selling our product is an opportunity both for profit and for service. It is pleasant work, too, in that it keeps our men in touch with the progressive livestock men in their community.

Coming Livestock Sales

(CONTINUED)

HAMPSHIRES

Jan. 28—Iowa Hampshire Breeders Assn., Waterloo, Iowa; Wallace Lang, Secy., Brooklyn, Iowa.
Jan. 29—Fruehauf Farms, Inc., Cedar Rapids, Ia.
Feb. 8—Lettow Bros., Alden, Iowa; sale at Iowa Falls, Iowa.
Feb. 9—Robin Lane Farm, Hampton, Iowa.
Feb. 11—Danielson Bros., Nevada, Iowa.
Feb. 17—Maurice Weitz, Webster City, Iowa.
Feb. 21—Matt Locatis & Sons, Ft. Dodge, Iowa.
Feb. 22—George Lippold & Sons, Avoca, Iowa.
Feb. 23—Albert Larson, Ayrshire, Iowa.
Mar. 8—Howard Soorholtz & Son, Melbourne, Iowa; sale at Marshalltown, Iowa.

POLAND CHINAS

Jan. 28—Lakeside Farm, Eugene Dugan, Storm Lake, Iowa.
Feb. 5—Brown & Brown, Hampton, Iowa, and Paul Bahr, Iowa Falls, Iowa; sale at Iowa Falls.
Feb. 9—Oscar D. Larson, Clarion, Iowa.

SPOTTED POLAND CHINAS

Jan. 29—A. J. Anderson & Sons, Kellogg, Iowa.
Jan. 29—Night Sale, Leland B. Dellinger, Shell Rock, Iowa; sale at Waverly, Iowa.
Feb. 3—Arnold Krahmer, Fairmont, Minn.
Feb. 4—Clifford Pitstick, Jolley, Iowa; sale at Sac City, Iowa.
Feb. 7—Karl E. Carlson, Lakefield, Minn.; sale at Spencer, Iowa.
Feb. 8—Fred F. Goodchild & Sons, Mallard, Iowa.
Feb. 12—F. L. Jackson & Sons, Lytton, Iowa; sale at Sac City, Iowa.
Feb. 14—Gerrit J. Kempers & Son, Hull, Iowa.
Feb. 17—Eugene J. Rath, Missouri Valley, Iowa; sale at Colfax, Iowa.
Feb. 19—E. C. Marty & Sons, Luverne, Iowa.

YORKSHIRES

Jan. 27—Yalehurst Farm, Peoria, Ill.
Feb. 10—Dr. W. J. Huls, Davenport, Iowa.
Feb. 26—Yalehurst Farm, Peoria, Ill.

SHEEP

Jan. 21—Mahaska Sheep Breeders Assn., Ewe Sale, Oskaloosa, Iowa; Wilber Colville, Secy., Cedar, Iowa.
Jan. 22—Southwest Iowa Purebred Sheep Breeders Assn., at Des Moines, Iowa.

Livestock News

The Polled Hereford dispersion of C. H. Schechter & Sons, Humeston, Iowa, December 17, under the able direction of Don J. Bowman, brought out a good crowd. The cattle were sold in just farm condition. The herd bull, Advance Domino 3d, a three-year-old, sold for $920 to John Goecke, Marshalltown, Iowa. The top female was Lot 8, at $385, to R. J. Carr, Kellerton, Iowa. Lot 16 sold for $385 to Gustafson Bros., Marshalltown, Iowa. Lots 15 and 17 went for $360 and $350 to J. B. Harvacheck, Moorland, Iowa. Lots 9 and 22 to L. A. Crusius, El Paso, Ill., at $350 and $380. Lots 14 and 26 to F. W. Henning, McLean, Ill., at $350 and $330. Lot 23 to John Stone, Leon, Iowa, at $370. Lot 24 to R. J. Carr at $340. The 42 females averaged $300, with five bulls at $430 and the 47 lots at a general average of $314.35. They went to buyers in three states, distributed as follows: Iowa 30, Illinois 11 and Missouri 6. Auctioneer, Fred Chandler.

Check Electric Motors

Electric motors should be checked once a year, says Roy DeRose, electrification specialist at the University of Nebraska.

An accumulation of dust and dirt eventually will cause motor failure, he says. Dirt clogs the winding and air passages; if neglected, it may cause a motor burn-out. Here is DeRose's advice on motor cleaning:

Remove the bolts from the end shield and lift it away from the body of the motor. Windings should be cleaned by blowing the dirt and dust out with air under pressure. A vacuum cleaner attachment or tire pump can do the job easily.

Check lubrication at least once a year, too, DeRose suggests. Wipe all fittings clean, and lubricate with a pressure gun or by adding oil.

But, DeRose warns, always be sure the electric motor or equipment is turned off before cleaning and oiling.

Winter Calf Care

Cows freshening in the winter put more profits in the milk bucket. But extra care is needed to insure survival of their calves.

Ohio State University has taken these steps to cut down on winter calf losses: Dry cows are well fed, to permit development of strong, healthy calves, and the maternity pens are disinfected after each calving.

Emphasis is placed on the calf receiving the first milk (the colostrum), which is milked and pail-fed. This prevents the calf from overfeeding. Calves are placed in clean, well-bedded stalls, protected from drafts. As long as milk is fed, it is given warm and regularly. Good, bright hay, preferably mixed, is added to the calf diet as soon as possible.

Sows Need Iodine

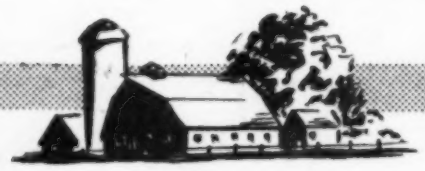
You'll have little or no trouble with hairless pigs if you feed iodized salt to your brood sows now. Hairless pigs are often weak, and may die soon after farrowing.

Dr. M. E. Mansfield, of the University of Illinois College of Veterinary Medicine, explains that the birth of pigs with little or no hair is a sign that your farm lacks enough iodine in the soil.

On iodine-deficient land, sows should have iodized salt for at least three months before farrowing. You can get it from your local feed dealer.

You Deal With Your Occo SERVICE MAN

Right on your own farm



● A big advantage of using OCCO MINERAL COMPOUND and other OCCO products is that the OCCO SERVICE MAN will come to your farm to complete all deals. He works with you on problems of livestock feeding and care out in your own feedlot, where he and you, together, can best judge the needs of your animals.

Furthermore, you'll find that the suggestions he gives regarding the feeding of livestock are practical and effective . . . that his advice on caring for your animals is sound. And since he actually lives in the same community in which you live, he takes a neighborly interest in making your livestock raising efforts successful. If you haven't already done so, then drop your nearby OCCO SERVICE MAN a post card or call him on the telephone and have him stop by your farm for a talk . . . a talk that will show you how thousands of farmers are using the OCCO WAY to get increased returns from raising livestock.

Tune In

OCCO NEWSTIME, WMT, Cedar Rapids, 7-7:15 a.m., Mon-Wed-Fri; WNAX, Yankton, 7-7:15 a.m., Tues-Thurs-Sat; WHO OCCO FARM NEWS, Des Moines, 12-12:15 p.m., Tues-Thurs. Also OCCO SERVICE MAN'S "BREAKFAST CALL," (with Rex Allen), WLS, Chicago, 7:15-7:30 a.m., Mon-Wed-Fri.

Look for the Occo Sign on Your Occo Service Man's Car

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